



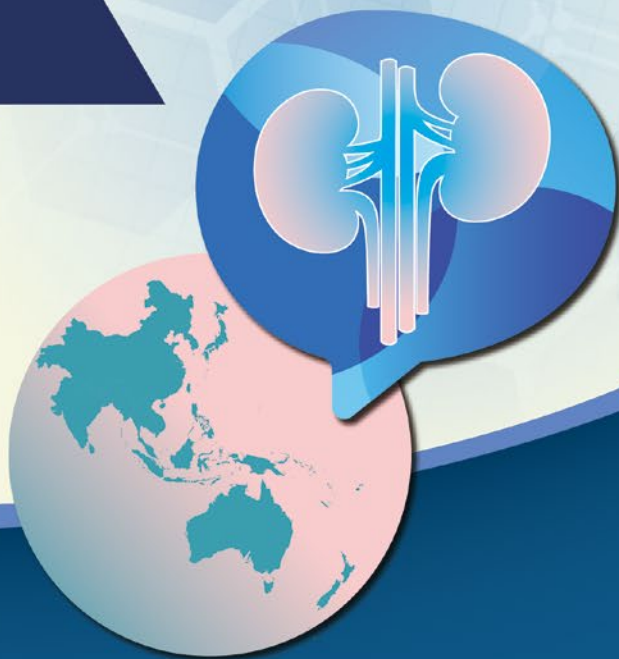
# 台灣腎臟醫學會 112年度會員大會 暨學術演講會

## *2023 Annual Meeting of Taiwan Society of Nephrology*

▶ 112年12月9日(六) - 12月10日(日)  
2023/12.09 Sat - 12.10 Sun

▶ 南港展覽館2館7樓  
Nangang International Exhibition Center, Hall 2, Taipei

## **Program Book**



讓

Jardiance® (empagliflozin)

恩排糖®

糖心腎

保護力

成為您的超能力



CKD

降低心血管死亡或腎臟惡化風險<sup>2</sup>



T2D

降低心血管死亡和3P-MACE<sup>5</sup>



HF

降低心血管死亡和心衰竭住院風險<sup>3,4</sup>

治療 CKD, T2D, HF 患者不論腎功能如何

Jardiance® (empagliflozin)



一天一錠，洗腎持續使用

90 80 70 60 50 40 30 20 10

eGFR (ml/min/1.73 m<sup>2</sup>) 由於經驗有限，針對透析病人，不建議使用 JARDIANCE 作為起始治療。

REFERENCES:

1. JARDIANCE® [summary of product characteristics]. Ingelheim am Rhein, Germany; Boehringer-Ingelheim International GmbH [month 2023]. 2. Herrington WG, Staplin N, Wanner C, et al. EMPA-KIDNEY Collaborative Group. Empagliflozin in patients with chronic kidney disease. N Engl J Med. 2023;389(2):117-127. [EMPA-KIDNEY results and the publication's Supplementary Appendix]. 3. Packer M, Ankar SD, Butler J, et al. EMPEROR-Reduced Trial Investigators. Cardiovascular and renal outcomes with empagliflozin in heart failure. N Engl J Med. 2020;383(15):1413-1424. [EMPEROR-Reduced results and the publication's Supplementary Appendix]. 4. Anker SD, Butler J, Filippatos S, et al. EMPEROR-Preserved Trial Investigators. Empagliflozin in heart failure with a preserved ejection fraction. N Engl J Med. 2023;389(10):1451-1461. [EMPEROR-Preserved results and the publication's Supplementary Appendix]. 5. Zinman S, Wanner C, Lachin JM, et al. EMPA-REG OUTCOME Investigators. Empagliflozin, cardiovascular outcomes, and mortality in type 2 diabetes. N Engl J Med. 2015;373(22):2117-2128. [EMPA-REG OUTCOME results and the publication's Supplementary Appendix].

恩排糖® 膜衣錠 10毫克 Jardiance® 10mg Film-Coated Tablets 衛部藥輸字第 026406 號

1 適應症與用法: 1.1 第二型糖尿病 1.1.1 血糖控制: 第二型糖尿病, 1.1.2 預防心血管事件: 用於具第二型糖尿病且已有心血管疾病的成人病人時, 可降低心血管死亡之風險。 1.2 心臟衰竭 JARDIANCE 10mg 用於紐約心臟學會(NYHA) 第二級至第四級的心臟衰竭成人病人。 可。 降低心血管死亡和心臟衰竭住院風險。 減緩預估腎絲球過濾率(eGFR)下降。 1.3 慢性腎臟病: 適用於患有慢性腎臟病的成人病人, 以降低以下風險: 腎臟疾病惡化(預估腎絲球過濾率(eGFR)持續降低、末期腎臟疾病或腎臟死亡)或心血管死亡。 全因性住院。 1.4 使用上的限制 JARDIANCE 不建議用於第一型糖尿病病人, 其可能會增加這類病人酮酸中毒風險。 2 用法用量: 本藥須由醫師處方使用。 2.1 開始使用 JARDIANCE 之前: 請在開始使用 JARDIANCE 治療前及治療中認為有必要時, 進行腎功能評估。 針對體液容量減少之病人, 開始服用 JARDIANCE 前請先戒除此一狀況。 2.2 第二型糖尿病: JARDIANCE 可單獨使用亦可與 metformin、metformin 併用(sulfonylurea、pioglitazone)併用或不併用(metformin)、胰島素(併用或不併用 metformin 及/或 sulfonylurea)合併使用, 作為附加於飲食控制及運動之外的治療藥物, 藉以改善第二型糖尿病病人的血糖控制效果。 JARDIANCE 的建議劑量為每日早上一次、每次 10 mg, 可與食物一起服用, 亦可空腹服用。 當耐受性良好且病人 eGFR ≥ 30 ml/min/1.73 m<sup>2</sup>, 需要進一步的血糖控制時, 可將劑量提升至 25 mg。 2.3 心臟衰竭: JARDIANCE 的建議劑量為每天早上一次、每次 10 mg, 可與食物一起服用, 亦可空腹服用。 2.4 慢性腎臟病: JARDIANCE 的建議劑量為每天一次、每次 10 mg。 2.5 腎功能不全者: 不論腎功能如何, 皆可使用 Empagliflozin 10mg。 由於經驗有限, 針對透析病人, 不建議使用 Jardiance 作為起始治療。 3 禁忌: 對 empagliflozin 或 JARDIANCE 中其他賦形劑產生嚴重過敏反應, 例如曾發生血管性水腫。 4 不良反應: 酮酸中毒, 體液容量減少, 尿路感染與腎盂腎炎, 併用胰島素與胰島素促分泌藥物時發生的低血糖, 會陰部壞死性筋膜炎(弗尼爾氏壞疽), 生殖器官菌膜感染, 過敏反應, 低密度脂蛋白膽固醇 (LDL-C) 上升

修正日期: 2022年12月 / 核定日期: 2023年07月

北市衛藥廣字第 112090240 號



台灣百靈佳版格倫股份有限公司  
台北市民生東路三號2樓12樓  
電話: (02)2503-2635



利來德藥廠有限公司  
台北市復興北路366號11樓

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## Overview

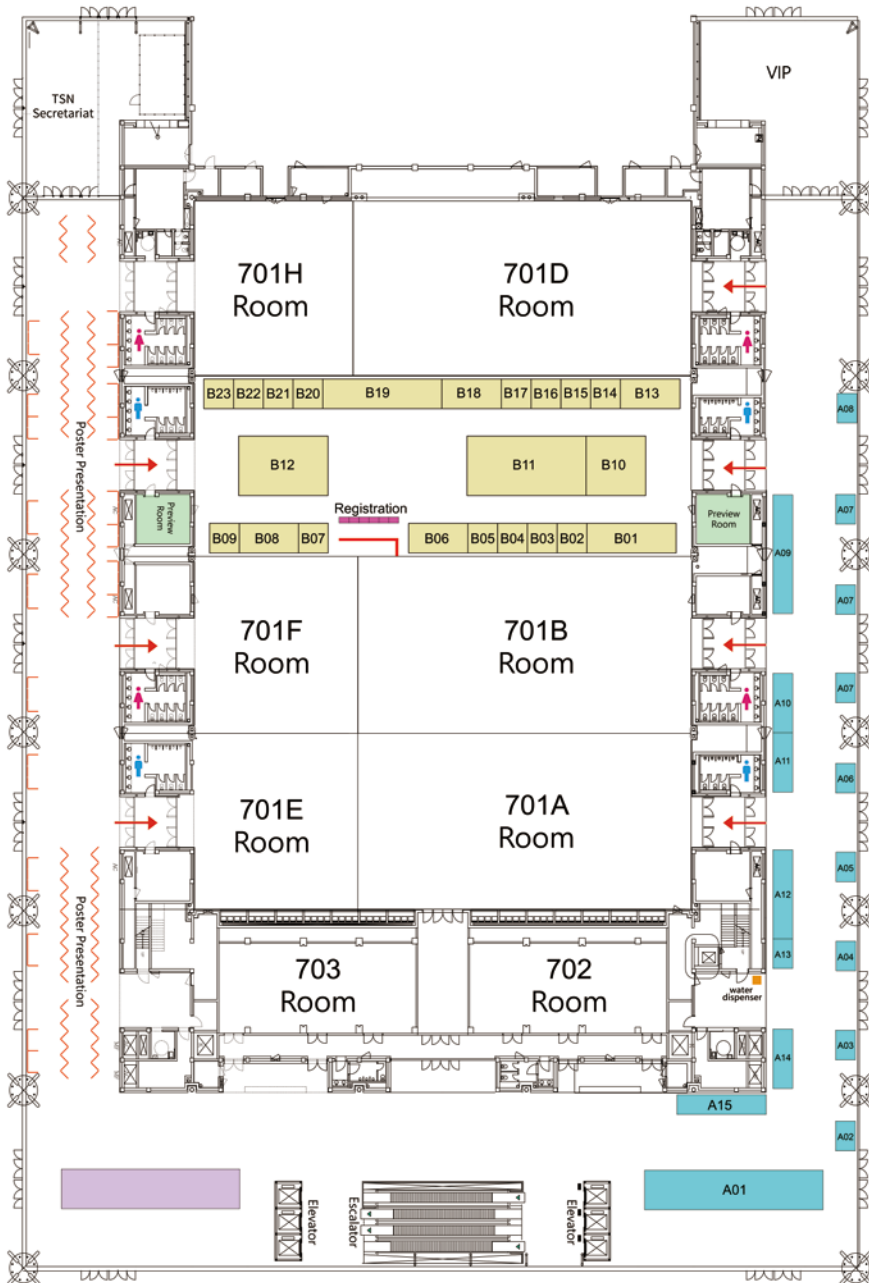
Title	2023 Annual Meeting of Taiwan Society of Nephrology
Date	December 9 (Sat.) – 10 (Sun.), 2023
Hosted by	The Taiwan Society of Nephrology
Meeting Format	Offline Meeting
Official Language	English, Chinese
Program	Plenary Lectures, Invited Lecture Sessions, CME, Oral & Poster Sessions, Exhibition
Secretariat	The Taiwan Society of Nephrology 4F-1, No.11, Ching-Tao West Road, 100 Taipei, Taiwan Tel: 886 (2) 2331-0878 Fax: 886 (2) 2383-2171 E-mail: snroctpe@ms1.hinet.net Web: www.tsn.org.tw

## Operating Hour

	December 9 (Sat.)	December 10 (Sun.)
Registration	08:30 – 16:00	08:00 – 15:00
Preview Room	08:30 – 17:00	08:00 – 17:00
Poster Area	08:30 – 17:00	08:00 – 15:00
Exhibition	10:00 – 17:00	09:00 – 15:00
Secretariat Office	09:00 – 17:00	08:00 – 17:00

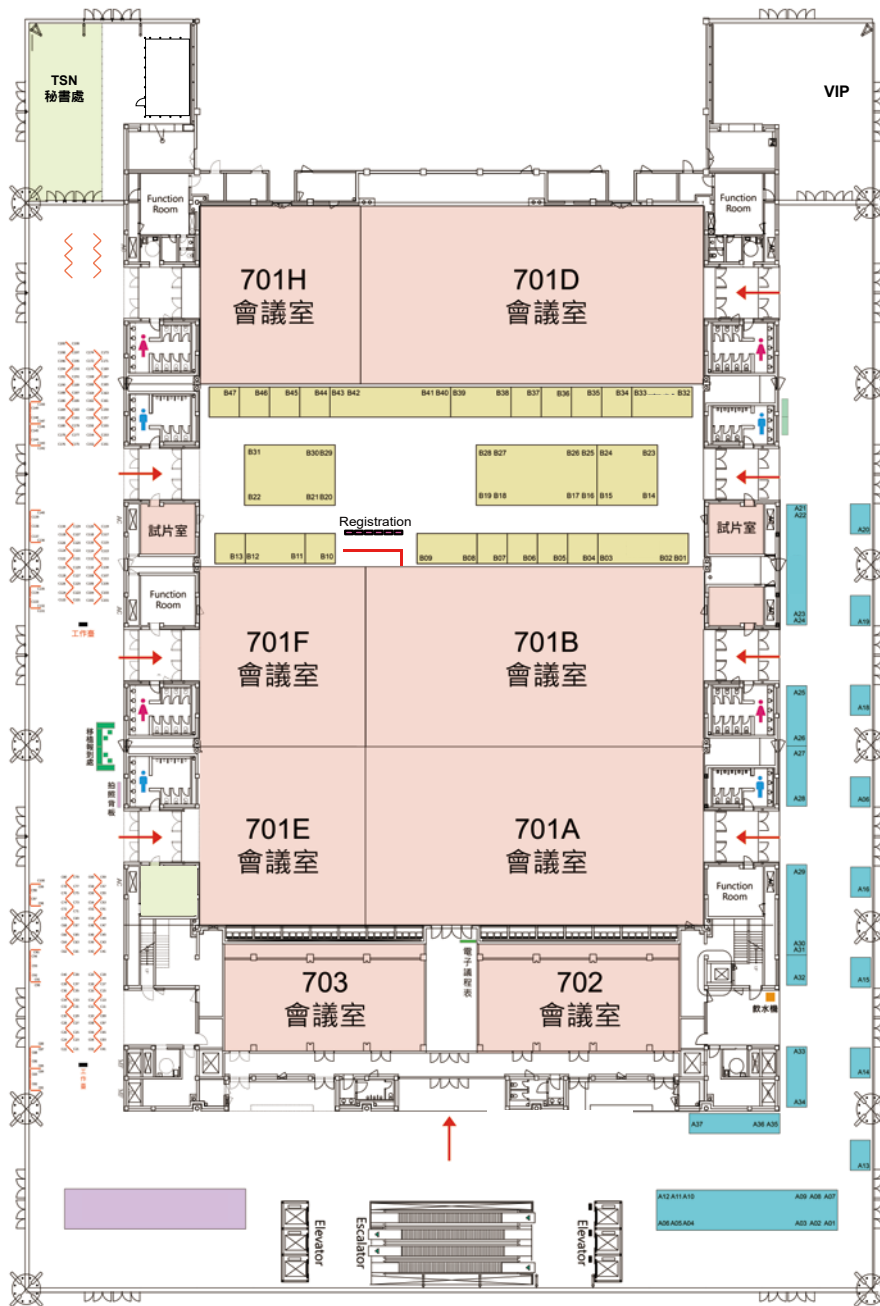
## Floor Plan

7 Floor, Hall 2, Nangang International Exhibition Center, Taipei, Taiwan



# 會場平面圖

南港展覽館 2館7樓



## Program at a Glance

December 9, 2023 (Saturday)					
	Room 1	Room 2	Room 3	Room 4	Room 5
	701-(A) (ENG)	701-(B)	701-(D)	701-(H)	702
Registration Desk: TaiNEX 2, 7F (08:30-16:00)					
<b>09:00</b>   <b>10:30</b>	Oral Presentation 1 (Basic)				Oral Presentation 2 (Basic)
<b>10:30</b>   <b>12:00</b>	Industry Symposium (1100-1150) Sanofi	Oral Presentation 5 (Clinical)	Oral Presentation 6 (Clinical)		Oral Presentation 7 (Clinical)
<b>12:20</b>   <b>13:10</b>	Luncheon Symposium 1 Lilly	Luncheon Symposium 2 Novonordisk	Luncheon Symposium 3 Bayer	Luncheon Symposium 4 Tai Tien Pharm	Luncheon Symposium 5 AZ
<b>13:30</b>   <b>15:00</b>	Award Session Excellent Research Award Speech	<b>Symposium 1</b> Glomerular Disease: from Epidemiology to Updated Management		<b>Outstanding Academic Research Meeting I</b> Kidney Function Decline	
<b>15:15</b>   <b>17:00</b>	MSN-NST- TSN Joint Symposium	<b>Symposium 2</b> Lupus Nephritis Updates		<b>Outstanding Academic Research Meeting II</b> Hemodialysis Vascular Access Complications	<b>Symposium 3</b> Evaluation of Cardiovascular Diseases in Kidney Transplant Recipients
<b>17:05</b>	MSN-NST- TSN MOU Signing Ceremony				
<b>18:00</b>			TSN 40 Gala Dinner		

December 9, 2023 (Saturday)				
	Room 6	Room 7		701-(CG)
	703	701-(F)	701-(E)	
Registration Desk: TaiNEX 2, 7F (08:30-16:00)				
09:00   10:30	Oral Presentation 3 (Clinical)	Oral Presentation 4 (Basic/Clinical)	Transplantation Society of Taiwan Annual Meeting	Exhibition
10:30   12:00	Oral Presentation 8 (Clinical)	Oral Presentation 9 (Clinical)		
12:20   13:10	Oral Presentation 10 (Clinical)			
13:30   15:00		<b>Symposium 5</b> Taiwan Renal Data System: Data Linkage Future Care		
15:15   17:00	<b>Symposium 4</b> Integrating Kidney Genetics into Clinical Practice			
17:05				
18:00				



## Program at a Glance

December 10, 2023 (Sunday)					
	Room 1	Room 2	Room 3	Room 4	Room 5
	701-(A) (ENG)	701-(B)	701-(D)	701-(H)	702
Registration Desk: TaiNEX 2, 7F (08:30-16:00)					
8:20   8:30	TSN 40 Opening Ceremony			TCDA General Assembly (0900 – 1130)	
8:30   9:10	Plenary Lecture Vin-Cent Wu, Ph.D.		CKD education Course (0900 – 1030) 20 Years of CKD Care: A Cross- Disciplinary Triumph Over Struggles and a Vision for the Future		
9:10   10:00	Invited Lecture Professor Philip Li				
10:00   11:30	KSN-TSN- JSDT Joint Symposium		Kidney Health Promotion Institutions Forum (1030 – 1200)		Symposium 12 Home HD
11:30   12:00		TSN General Assembly			
12:20   13:10	Luncheon Symposium 6 AZ	Luncheon Symposium 7 FMC	Luncheon Symposium 8 TSPC	Luncheon Symposium 9 Novonordisk	
13:30   15:00	APSN-TSN- CME	Symposium 6 Novel Insights and Prospects of Targeted Therapy for Kidney Diseases	Symposium 8 Advancing PD care with Worldwide Trend	Symposium 10 Halting the Progression of AKI: Exploring Strategies for Intervention and Prevention	Symposium 13 Share the Path of Research
15:00   16:30		Symposium 7 Epigenetics in Kidney Diseases	Symposium 9 Down-to-earth eco-dialysis: time to save your wallet and the planet	Symposium 11 2023 TSOC & TSN Consensus on Management of Cardiorenal	

December 10, 2023 (Sunday)			
	Room 6	Room 7	
	703	701-(F)	701-(E)
701-(CG)			
Registration Desk: TaiNEX 2, 7F (08:30-16:00)			
8:20   8:30	Transplantation Society of Taiwan Annual Meeting		Exhibition
8:30   9:10			
9:10   10:00			
10:00   11:30			
11:30   12:00			
12:20   13:10			
13:30   15:00			
15:00   16:30			

## Detailed Program

Day 1- December 9 (Saturday), 2023

**Award Session**

**Room 1 (701-A)**

**13:30-15:00**

**Excellent Research Award Speech  
青年研究獎 / 傑出論文演講**

Chair(s): Jung Pyo Lee、林水龍 /Shuei-Liong Lin

**13:30 – 14:15**

抑制第二型血管生成素可透過血管內皮細胞改善發炎反應及腎臟纖維化

Targeting Angiopoietin-2 in Kidney Fibrosis: Focus on Inflammation and Endothelial Activation

張芳綺 /Fan-Chi Chang

臺大醫院 腎臟科

Division of Nephrology, Department of Internal Medicine, National Taiwan University Hospital

Chair(s): Jung Pyo Lee、林水龍 /Shuei-Liong Lin

**14:15 – 14:45**

調控水通道早期表現下降的機轉

Early Molecular Events Mediating Loss of Aquaporin-2 in Polyuric Disorders

宋志建 /Chih-Chien Sung

三軍總醫院 腎臟科

Division of Nephrology, Department of Internal Medicine, Tri-Service General Hospital

**14:45 – 15:00**

Discussion

## Detailed Program

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### **MSN-NST-TSN Joint Symposium**

**Room 1 (701-A)**

**15:15-17:10**

### **Organ Crosstalk: the Cardio-renal Axis**

#### **15:15 - 15:20**

Opening Remarks

Prof. Mai-Szu Wu

President, Taiwan Society of Nephrology

Chair(s): I-Wen Wu

#### **15:20 - 15:50**

MSN: Strategies for Implementation of Home Dialysis and Potential Cardiovascular Benefit

Prof. Lily Mushahar

President, Malaysian Society of Nephrology

#### **15:50 - 16:20**

NST: Sustainability of the PD-First Policy and Related Cardiovascular Outcome

Prof. Vuddhidej Ophascharoensuk

President, Nephrology Society of Thailand

#### **16:20 - 16:50**

TSN: Cardiovascular-Kidney-Metabolic Syndrome in CKD

Szu-Yu Pan, MD

National Taiwan University Hospital

#### **16:50 - 17:00**

Panel Discussion and Closing Remarks

Chia-Te Liao, MD

Shuang Ho Hospital, Taipei Medical University

#### **17:00- 17:10**

### **Memorandum of Understanding Signing Ceremony**

Mai-Szu Wu

President, Taiwan Society of Nephrology

Lily Mushahar

President, Malaysian Society of Nephrology

Vuddhidej Ophascharoensuk

President, Nephrology Society of Thailand

## Detailed Program

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### Symposium 1

Room 2 (701-B)

13:30-15:00

**Glomerular Disease: from Epidemiology to Updated Management**

**腎絲球疾病：從流行病學到新治療趨勢**

Chair(s): 張志宗 /Chiz-Tzung Chang、賴台軒 /Tai-Shuan Lai

#### 13:30-14:00

台灣腎病研究登錄報告

Taiwan Kidney Disease Registry Report

黃道民 / Tao-Min Huang

國立台灣大學醫學院附設醫院 腎臟內科

Division of Nephrology, National Taiwan University Hospital

#### 14:00-14:25

IgA 腎病變的趨勢與新進展

Trends and New Advances of IgA Nephropathy

蔡明村 / Ming-Tsun Tsai

臺北榮民總醫院 腎臟內科

Division of Nephrology, Taipei Veterans General Hospital

#### 14:25-14:50

膜性腎病變的趨勢與新進展

Trends and New Advances of Membranous Nephropathy

塗昆樺 / Kun-Hua Tu

林口長庚紀念醫院 腎臟內科

Division of Nephrology, Linkou Chang-Gung Memorial Hospital

#### 14:50-15:00

綜合討論 Panel Discussion

賴台軒 / Tai-Shuan Lai

國立台灣大學醫學院附設醫院 腎臟內科

Division of Nephrology, National Taiwan University Hospital



## Detailed Program

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### Symposium 2

Room 2 (701-B)

15:15-17:10

Lupus Nephritis Updates

Chair(s): 楊皇煜 Huang-Yu Yang 、 Dr Y.K.O. (Onno) Teng

#### 15:15-16:00

Novel Treatment Strategies for LN

Dr Y.K.O. (Onno) Teng, MD, PhD

Nephrology clinician-scientist at the department of Internal Medicine of the Leiden University Medical Center (LUMC)

#### 16:00-16:30

Micromanaging Lupus Nephritis: the Role of MicroRNA-17~92 in Modulating T Cells

Lupus nephritis and renal transplant

楊皇煜 /Huang-Yu Yang

林口長庚紀念醫院 腎臟內科

Division of Nephrology, Linkou Chang-Gung Memorial Hospital

#### 16:20-16:40

Lupus Nephritis and renal transplant

游棟閔 / Tung-Min Yu

台中榮民總醫院 腎臟科

Division of Nephrology, Taichung Veterans General Hospital

#### 16:40-16:50

Panel Discussion

## Detailed Program

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### Outstanding Academic Research Meeting I

國科會學門卓越學術研究研討會 I

Room 4 (701-H)

**13:30-15:00** **Kidney Function Decline: Molecular Mechanisms, Challenges, and Therapeutic Advances**  
腎功能衰退：分子機制、挑戰及治療進展

Chair(s): 唐德成 / Der-Cherng Tarng、林俊良 / Chun-Liang Lin

#### 13:30-13:55

微小核糖核酸導向之腎功能惡化相關血管病變：相關機轉及轉譯旅程

MicroRNA-oriented Vascular Pathologies and Calcification in Renal Failure: Molecular Mechanisms and a Translational Journey

趙家德 / Chia-Ter Chao

National Taiwan University Hospital

國立臺灣大學醫學院附設醫院腎臟科

#### 13:55-14:20

調節發炎作為急性腎損傷的新型治療策略

Inflammation Modulation as a Novel Therapeutic Strategy for Acute Kidney Injury

張婷婷 / Ting-Ting Chang

Institute of Pharmacology, College of Medicine, National Yang Ming Chiao Tung University

國立陽明交通大學藥理學研究所

#### 14:20-14:45

多囊腎病的腎功能快速惡化

Rapid Kidney Function Progression in Polycystic Kidney Disease

黃道揚 / Daw-Yang Hwang

國家衛生研究院癌症研究所暨高雄醫學大學腎臟科

National Health Research Institute, Taiwan

#### 14:45-15:00

Panel Discussion

## Detailed Program

### Outstanding Academic Research Meeting II

國科會學門卓越學術研究研討會 II

Room 4 (701-H)

**15:15-16:45 Hemodialysis Vascular Access Complications: From Flow Disturbances to Clinical Implications**  
**透析血管通路併發症：從血液擾流到臨床意義**

Chair(s): 宋俊明 / Junne-Ming Sung、楊智宇 / Chih-Yu Yang

#### 15:15-15:40

血液擾流誘導的動脈粥狀硬化和透析血管通路的靜脈內膜增生

Flow Disturbance Induces Atherosclerosis and Venous Neointimal Hyperplasia of Hemodialysis Vascular Access

裘正健 / Jeng-Jiann Chiu

國家衛生研究院細胞及系統醫學研究所

National Health Research Institute, Taiwan

#### 15:40-16:05

透析血管通路的血栓併發症：從觀察型研究到臨床試驗

Thrombosis Complications of Hemodialysis Vascular Access: From Observational Studies to Clinical Trials

吳志成 / Chih-Cheng Wu

國立臺灣大學醫學院附設醫院新竹臺大分院

National Taiwan University Hsin-Chu Hospital

#### 16:05-16:30

透析血管內膜增生的新機制

Novel Mechanisms of Neointimal Hyperplasia in Arteriovenous Fistulae for Hemodialysis Access

葉勇信 / Yang-Hsin Yeh

林口長庚紀念醫院心臟內科

Chang Gung Memorial Hospital

#### 16:30-16:45

Panel Discussion

## Detailed Program

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### Symposium 3

Room 5 (702)

**15:15-17:00 Evaluation of Cardiovascular Diseases in Kidney Transplant Recipients**  
**腎臟移植病人之心臟相關疾病評估**

Chair(s): 郭弘典 / Hung-Tien Kuo、吳欣旭 / Hsin-Hsu Wu

#### **15:15-15:40**

Post-transplant, Treatment of Cardiovascular Disease

潘思宇 / Szu-Yu Pan

臺大醫院

National Taiwan University Hospital

#### **15:40-16:05**

Pre-transplant Evaluation of Cardiovascular Disease

陳怡儒 / I-Ru Chen

中國醫藥大學附設醫院腎臟系腎臟移植科

#### **16:05-16:30**

Post Transplant, Management of CV Risk Factors

塗昆樺 / Kun-Hua Tu

桃園長庚醫院

Chang Gung Memorial Hospital

#### **16:30-16:55**

Immunosuppression and Cardiovascular Disease

許智揚 / Chih-Yang Hsu

高雄榮民總醫院

Nephrology, Kaohsiung Veterans General Hospital

#### **16:55-17:10**

Panel Discussion

## Detailed Program

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### Symposium 4

Room 6 (703)

15:15-17:00

Integrating Kidney Genetics into Clinical Practice

Chair(s): 林石化 /Shih-Hua Lin、張宏榮 / Horng-Rong Chang

#### 15:15-15:45

Kidney Genetics in Children

曾敏華 /Min-Hua Tseng

Chang Gung Memorial Hospital

#### 15:45-16:15

Kidney Genetics in Adult

黃道揚 /Daw-Yang Hwang

國家衛生研究院癌症研究所暨高雄醫學大學腎臟科

National Health Research Institute, Taiwan

#### 16:15-16:45

Kidney Disease: Through the Genetic Lens or Genetic strategies in Kidney Diseases with Unknown Origin

蔡世峯 / Shih-Feng Tsai

#### 16:45-17:00

Panel Discussion



## Detailed Program

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### Symposium 5

Room 7 (701-F)

13:30-15:00

**Taiwan Renal Data System: Data Linkage Future Care**

**台灣腎病年報資訊系統：資料連結未來照護**

Chair(s): 許志成 / Chih-Cheng Hsu、吳麥斯 / Mai-Szu Wu

#### 13:30 – 13:35

Opening Remark

許志成 / Chih-Cheng Hsu

國家衛生研究院 高齡醫學暨健康福祉研究中心

National Center for Geriatrics and Welfare Research, National Health Research Institutes

#### 13:35 – 13:55

Epidemiology and Challenges of Chronic Kidney Disease in Older Adults

許志成 / Chih-Cheng Hsu

國家衛生研究院 高齡醫學暨健康福祉研究中心

National Center for Geriatrics and Welfare Research,

National Health Research Institutes

#### 13:55 – 14:15

Dialysis Modality Choice and Outcomes

吳美儀 / Mei-Yi Wu

衛生福利部雙和醫院 腎臟科

Division of Nephrology, Taipei Medical University Shuang Ho Hospital

#### 14:15 – 14:35

Trends in Taiwan End-stage Kidney Disease Incidence, Prevalence, and Mortality

趙家德 / Chia-Ter Chao

國立台灣大學醫院 腎臟內科

Division of Nephrology, Taiwan Medical University Hospital

#### 14:35 – 14:55

Impacts of Covid-19 Infection on End-stage Kidney Disease Survival

林明彥 / Ming-Yen Lin

高雄醫學大學附設中和紀念醫院 腎臟科

Division of Nephrology, Kaohsiung Medical University Hospital, Kaohsiung Medical University

#### 14:55 – 15:00

Discussion and Closing Remark

吳麥斯 校長 / President, Mai-Szu Wu

臺北醫學大學 / Taipei Medical University

## Detailed Program

### Day 2- December 10 (Sunday), 2023

**08:20-08:30 TSN 40 Opening Ceremony** **Room 1 (701-A)**

**Plenary Speech** **Room 1 (701-A)**

**08:30-09:10 Professor Chen Wan-Yu Foundation Award**  
**陳萬裕教授研究獎**

Chair(s): Masaomi Nangaku、楊智偉 /Chih-Wei Yang

**08:30 – 09:10**

急性腎損傷照護與臨床預後 - 是時候拋開教條了

AKI Care and Clinical Outcome- Time to Ditch the Dogma

吳允升 教授 /Vin-Cent Wu, Ph.D.

台大醫院 內科部

Department of Internal Medicine, Chief of Primary Aldosteronism Center, National Taiwan University Hospital

**09:10-10:00 Invited Lecture** **Room 1 (701-A)**

Chair(s): 吳麥斯 /Mai-Szu Wu

Speaker: Prof. Philip K.T. Li

Topic: Global Impact of Hong Kong's 'Peritoneal Dialysis First Policy' for **35** years and Beyond

## Detailed Program

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### KSN-TSN-JSDT Joint Symposium

Room 1 (701-A)

**10:00-11:30 Strategies to Improve Outcome: From AKI to ESKD**

**10:00 - 10:05**

Opening Remarks

Prof. Mai-Szu Wu

President, Taiwan Society of Nephrology

Chair(s): Chun Soo Lim (President, Korean Society of Nephrology)

**10:05 - 10:30**

KSN: Immunological Recovery from Acute Kidney Injury

Prof. Seung Seok Han

Seoul National University Hospital, Korea

Chair(s): Mai-Szu Wu (President, Taiwan Society of Nephrology)

**10:30 - 10:55**

TSN: Integrative Care for AKI-CKD Transition

Prof. Chi-Hsiang Chang

Chang Gung Memorial Hospital, Taoyuan, Taiwan

Chair(s): Yoshiaki Takemoto (President, Japanese Society for Dialysis Therapy)

**10:55 - 11:20**

JSDT: Dialysis Adequacy in ESKD and Related Outcome

Prof. Masataka Banshodani

Kidney Disease and Blood Purification Therapy, Akane-Foundation, Tsuchiya General Hospital, Hiroshima, Japan

**11:20 - 11:30**

Panel Discussion and Closing Remarks

Prof. I-Wen Wu

Shuang Ho Hospital, Taipei Medical University

Director, International Affairs and Cooperation Committee of TSN

## Detailed Program

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**APSN-TSN CME Symposium**

**Room 1 (701-A)**

**13:30-16:30**

**13:30 - 13:35**

Opening Remark

Prof. Sydney Tang

President, Asian Pacific Society of Nephrology

### **Section 1: Advances in Kidney Care**

Chair(s): Hyeong Cheon Park 、李建德 / Chien-Te Lee

**13:35 - 14:00**

Green Nephrology- What can Nephrologists Do?

Eason Chang, M.D.

Pantai Hospital Laguna Merbok, Malaysia

**14:00 - 14:25**

Innovation in Education and Training for Nephrology

Kate Robson, M.D.

Western Health Adjunct Lecturer (Clinical), Monash University, Australia

**14:25 - 14:50**

New Technique (initiative/promoting) in PD

Cheng-Yen Chen, M.D.

Taipei Veterans General Hospital, Taiwan

**14:50-15:00**

Q&A

## Section 2: ADPKD

Chair(s): 邱怡文 / Yi-Wen Chiu 、 姜至剛 /Chih-Kang Chiang

### **15:00 - 15:25**

Basic Research

Ming-Yang Chang, M.D.

Chang Gung Memorial Hospital, Taoyuan, Taiwan

### **15:25 - 15:50**

Genetic/Pathogenesis

Daw-Yang Hwang, M.D.

National Health Research Institute, Taiwan

### **15:50 - 16:15**

Treatment and Clinical Trials for ADPKD

Gopi Rangan, M.D.

The Westmead Institute for Medical Research, Australia

### **16:15 - 16:25**

Q&A



## Detailed Program

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### Symposium 6

Room 2 (701-B)

### 13:30-15:00 Novel Insights and Prospects of Targeted Therapy for Kidney Diseases

Chair(s): 陳永銘 / Yung-Ming Chen、宋志建 / Chih-Chien Sung

#### 13:30-14:00

Drug Delivery by Nanoparticle in Kidney Disease

鄭暉騰 / Hui-Teng Cheng

新竹台大醫院 腎臟科

Department of Internal Medicine, National Taiwan University Hospital Hsin-Chu Branch

#### 14:00-14:25

GN Clinical Trial

姜文智 / Wen-Chih Chiang

臺大醫院 腎臟科

Division of Nephrology, Department of Internal Medicine, National Taiwan University Hospital

#### 14:25-14:50

利用全基因關聯分析及免疫基因定序研究腎病變

Application of GWAS and Immune Repertoire Sequencing in Kidney Diseases

張偉嶠 / Wei-Chiao Chang

臺北醫學大學 藥學系教授

Professor, Department of Clinical Pharmacy, Taipei Medical University

#### 14:50-15:00

Discussion

## Detailed Program

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### Symposium 7

Room 2 (701-B)

#### 15:00-16:30 Epigenetics in Kidney Diseases

Chair(s): 林水龍 / Shuei-Liong Lin、林志慶 / Chih-Ching Lin

##### 15:00-15:30

Kidney Chronicles: The 5mC and 6mA Epigenetic Tale

黎思源 / Szu-Yuan Li

台北榮民總醫院 腎臟科

Division of Nephrology, Department of Medicine, Taipei Veterans General Hospital

##### 15:30-15:55

Methylation in Kidney Disease

周鈺翔 / Yu-Hsiang Chou

臺大醫院 腎臟科

Division of Nephrology, Department of Internal Medicine, National Taiwan University Hospital

##### 15:55-16:20

Histone Methylation in CKD

施宏謀 / Hong-Mou Shih

馬偕醫院 腎臟科

Division of Nephrology, Department of Internal Medicine, Mackay Memorial Hospital

##### 16:20-16:30

Discussion

## Detailed Program

### CKD Education Course

Room 3 (701-D)

**09:00-12:00**     **20 Years of CKD Care: A Cross-Disciplinary Triumph Over Struggles and a Vision for the Future**  
**筆路藍縷 20 年－慢性腎臟病跨領域照護分享與未來展望**

Chair(s): 蔡宜純 / Yi-Chun Tsai

#### 09:00 – 09:25

Pre-ESRD 提升照護品質與衛教創新分享

Share Experiences of Health Education Innovation in Pre-ESRD Care Program

黃智英 / Chih-Ying Huang

彰化基督教醫院 腎臟科

CKD Educator, Division of Nephrology, Changhua Christian Hospital

#### 09:25 – 09:50

Pre-ESRD 營養照護經驗分享—從改變行為開始

Share Experiences of Nutritional Care in Pre-ESRD Program – Start from Changing Behavior

陳淑子 / Shu-Tzu Chen

臺北醫學大學 保健營養學系

Assistant Professor of Department of Nutrition & Health Sciences, Taipei Medical University

#### 09:50 – 10:15

Pre-ESRD 機警守門員—藥師的守護之旅

Vigilant Gatekeeper in Pre-ESRD Care - the Guardian Journey of Pharmacist

常宏傳 / Hung-Chuan Chang

振興醫院 藥學部

Chief, Division of Pharmacy Administration, Department of Pharmacy, Cheng Hsin General Hospital

#### 10:15 – 10:30

綜合討論 Q & A

#### 10:30-12:00

腎臟病健康促進機構座談會

Kidney Health Promotion Institutions Forum

## Detailed Program

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### Symposium 8

Room 3 (701-D)

**13:30-15:00 Advancing PD Care with Global Trends**

Chair(s): 楊智宇 / Chih-Yu Yang

**13:30-13:50**

在乎嗎？讓我們重新定義 PD 治療

Who Cares? Let's Redefine PD

鄭本忠 / Ben-Chung Cheng

高雄長庚醫院

Chang Gung Memorial Hospital-Kaohsiung Medical Center

Chair(s): 林堯彬 / Yao-Ping Lin

**13:50-14:10**

綠色腎臟學 ~ 更好的生活品質

Green Nephrology, Better Quality of Life

陳錫賢 / Hsi-Hsien Chen

臺北醫學大學附設醫院

Taipei Medical University Hospital

Chair(s): 林堯彬 / Yao-Ping Lin

**14:10-14:50**

PD 治療的過去、現在與未來

Past, Present and Future of PD

洪冠予 / Kuan-Yu Hung

臺北醫學大學

Taipei Medical University

**14:50-15:00**

Panel Discussion

## Detailed Program

### Symposium 9

Room 3 (701-D)

**15:00-16:30**    **Down-to-earth Eco-dialysis: Time to Save Your Wallet and the Planet**  
**接地氣的環境友善透析：兼顧荷包和地球**

#### 15:00-15:05

Opening Remarks: 吳志仁 / Chih-Jen Wu

Chair(s): 吳志仁 / Chih-Jen Wu

#### 15:05-15:30

自然風險與綠能潮流：攸關荷包的洗腎室因應策略

Nature-related Risks and Green Nephrology: Strategies to Save Money

吳培甄 / Pei-Chen Wu

馬偕紀念醫院 透析室主任

Mackay Memorial Hospital

Chair(s): 賴彬卿 / Ping-Chin Lai

#### 15:30-15:55

血液透析：巨大的資源需所與惡名昭彰的廢棄物製造者。我們可以翻轉它嗎？

Hemodialysis: Resource Cravings and a Notorious Waste Producer. Can We Reverse It?

王昭能 / Charles C.N. Wang

亞洲大學 產學營運處 產學長

Industry-Academia Collaboration Asia University, Taichung, Taiwan

Chair(s): 楊孟儒 / Meng-Ju Yang

#### 15:55-16:20

史上最佳的洗腎室數位轉型時機！

Best Time Ever to Go for Digital Transformation!

郭志峰 / Chris Kuo

緯創醫學科技股份有限公司 智能醫療事業總監

Executive Director, Intelligent Medical Business, Wistron Medical Technology

#### 16:20-16:25

Closing Remarks & Discussion

楊孟儒 / Meng-Ju Yang



## Detailed Program

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### Symposium 10

Room 4 (701-H)

**13:30-15:00 Halting the Progression of AKI: Exploring Strategies for Intervention and Prevention**  
**阻擊 AKI 進程：突破干預與預防策略**

Chair(s): 方基存 / Ji-Tseng Fang、吳允升 / Vin-Cent Wu

#### 13:30-14:00

敗血症風暴中腎臟科的進擊：體外血液淨化之實證探討

Cytokine Removal in Sepsis: How Nephrologists Can Empower Extracorporeal Blood Purification in Acute Settings

王彩融 / Tsai-Jung Wang

臺中榮民總醫院 腎臟科

Division of Nephrology, Department of Internal Medicine, Taichung Veterans General Hospital

#### 14:00-14:30

範式轉移的時刻來臨？ -- SGLT-2 抑制劑在糖尿病治療中對急性腎損傷風險的影響

The Arrival of a Paradigm Shift? - The Impact of SGLT-2 Inhibitors on the Risk of Acute Kidney Injury in the Management of Diabetes

潘恆之 / Heng-Chih Pan

基隆長庚醫院 腎臟科

Division of Nephrology, Department of Internal Medicine, Keelung Chang Gung Memorial Hospital

#### 14:30-15:00

急性腎損傷醫院出院後之關懷：優化病患跨團隊照護之良方

Acute Kidney Injury Survivor Care Following Hospital Discharge: Optimizing the Multidisciplinary Care of Patients

鄭仲益 / Chung-Yi Cheng

臺北市立萬芳醫院 腎臟科

Division of Nephrology, Department of Internal Medicine, Taipei Medical University, Wan Fang Hospital

## Detailed Program

### Symposium 11

Room 4 (701-H)

**15:00-16:30** 2023 TSOC & TSN Consensus on Management of  
Cardiorenal  
2023 年台灣心臟醫學會與台灣腎臟醫學會心腎症候群照  
護共識

#### 15:00–15:05

Opening

許永和秘書長 / Yung-Ho Hsu

Chair(s): 陳永昌 / Yung-Chang Chen

#### 15:05–15:30

慢性腎臟病人冠狀動脈心臟病的處置

Management of CAD in Patients with CKD

林姝含 / Shu-Han Lin

新光醫院

Division of Cardiology, Shin Kong Wu Ho-Su Memorial Hospital

Chair(s): 方德昭 / Te-Chao Fang

#### 15:30–15:55

慢性腎臟病人心衰竭的處置

Management of CHF in Patients with CKD

徐千彞 / Chien-Yi Hsu

臺北醫學大學附設醫院

Division of Cardiology, Taipei Medical University Hospital

Chair(s): 林建宇 / Chien-Yu Lin

#### 15:55–16:20

慢性腎臟病人心房顫動的處置

Management of AF in Patients with CKD

林柏霖 / Po-Lin Lin

新竹馬偕醫院

Division of Cardiology, Hsinchu MacKay Memorial Hospital

#### 16:20–16:30

QA & Closing

許永和秘書長 / Yung-Ho Hsu

## Detailed Program

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### Symposium 12

Room 5 (702)

#### 10:00-11:30 Home Hemodialysis 居家血液透析

Chair(s): 黃秋錦 /Chiu-Ching Huang

#### 10:00-10:05

引言 /Introduction

#### 10:05-10:30

台灣居家血液透析現況：安全、節能、無遠弗屆

Current Status of Home Hemodialysis in Taiwan: Safe, Energy Saving and Far-Reaching

郭慧亮醫師 / Huey-Liang Kuo

中國醫藥大學附設醫院腎臟醫學中心

The Kidney Institute, China Medical University Hospital

#### 10:30-10:55

如何成為居家血液透析護理師，準備好了嗎？

Are You Ready to Become a Home Hemodialysis Nurse Practitioner?

盧雅惠護理師 /Ya-Hui Lu

中國醫藥大學附設醫院腎臟醫學中心

The Kidney Institute, China Medical University Hospital

#### 10:55-11:10

居家透析環境評估與建置 - 機器設備類

Home Environment Assessment and Installation for HHD: Machines and Equipment

李新宇工程師 / Robert Lee

台灣費森尤斯醫藥公司

Fresenius Medical Care Taiwan Co., Ltd.

#### 11:10-11:30

病人經驗分享

Patients' Sharing

林先生、徐先生

#### 11:30-11:40

Q&A

## Detailed Program

### Symposium 13

Room 5 (702)

#### 13:30-15:00 Share the Path of Research 研究之路分享

##### 13:30 - 13:35

Opening

陳思嘉 /Szu-Chia Chen

高雄立小港醫院 內科

Department of Internal Medicine, Kaohsiung Municipal Siaogang Hospital, Kaohsiung Medical University

Chair(s): 陳思嘉 / Szu-Chia Chen

##### 13:35 - 14:00

與主編相見歡

Meet with Editor in Chief

高嘉宏 /Jia-Horng Kao

臺灣醫誌 主編

Editor in Chief of Journal of the Formosan Medical Association

Chair(s): 張育誌 / Yu-Tzu Chang

##### 14:00 - 14:25

如何投稿上高分期刊

How to Publish your Manuscript in a High-Profile Journal

吳偉立 /Wei-Li Wu

國立成功大學 生理學科研究所 教授

Department of Physiology, National Cheng Kung University

Chair(s): 林威宏 / Wei-Hung Lin

##### 14:25 - 14:50

AI 如何輔助研究、寫計劃、臨床應用

How AI assists Research, Proposal Writing, and Clinical Application

辛致煒 /Jyh-Wei Shin

國立成功大學 醫學資訊研究所 教授

Institute of Medical Informatics, National Cheng Kung University

##### 14:50 - 15:00

Q&A

## Detailed Program

### Industry Symposium

**December 9 (Saturday), 2023**

**Room 1 (701-A)**

**11:00-11:50 腎臟病糖尿病管理及腎臟移植  
Diabetes Management and Kidney Transplantation**

Chair(s): 吳麥斯 / Mai-Szu Wu、楊皇煜 / Huang-Yu Yang

**11:00 – 11:05**

Opening

吳麥斯 / Mai-Szu Wu

President of the Taiwan Society of Nephrology

**11:05 – 11:40**

國際治療指引與最新證據：末期腎臟病及腎移植病患血糖控制

Update on Glycemic Management in End-Stage Kidney Disease and Kidney Transplant Patients – a US Perspective

Brian Lee

Medical Director, Kidney, and Pancreas Transplant Program,

Professor in Medicine, Transplant Nephrologist,

Division of Nephrology, Department of Medicine,

University of Texas, Austin, USA

**11:40 – 11:50**

Discussion & Closing Remarks

楊皇煜 / Huang-Yu Yang

林口長庚醫院 腎臟科

Department of Nephrology, Chang Gung Memorial Hospital

Sponsored by: 賽諾菲股份有限公司 / Sanofi Taiwan Co., Ltd

## Detailed Program

### Lunch Symposium

**Date : December 9 (Saturday), 2023**

**12:20-13:10**

**Lunch Symposium 1**

**Room 1 (701-A)**

Chair(s): 吳麥斯 / Mai-Szu Wu

Topic: Advancing Treatment for Kidney Disease: SGLT2i & **2023** International Guidelines for CKD Management

Speaker: William G. Herrington  
Medical Research Council-Population Health Research Unit at the University of Oxford

Sponsored by: 台灣禮來股份有限公司 /Eli Lilly and Company (Taiwan)

**Date : December 9 (Saturday), 2023**

**12:20-13:10**

**Lunch Symposium 2**

**Room 2 (701-B)**

Chair(s): 田亞中 / Ya-Chung Tian

Topic: Management of Patients with Diabetes and Chronic Kidney Disease:  
Insulin Initiation and Intensification  
胰島素用於糖尿病合併慢性腎臟病的起始與強化治療策略

Speaker: 鄭本忠 / Ben-Chung Cheng  
高雄長庚醫院 腎臟內科  
Chang Gung Memorial Hospital-Kaohsiung, Division of Nephrology

Sponsored by: 台灣諾和諾德藥品股份有限公司 /Novo Nordisk Taiwan

## Detailed Program

### Lunch Symposium

**Date : December 9 (Saturday), 2023**

**12:20-13:10**

**Lunch Symposium 3**

**Room 3 (701-D)**

Chair(s): 吳明儒 / Ming-Ju Wu

Topic: Nonsteroidal MRA Kerendia (finerenone) – A New Pillar for T2D with CKD

Chapter 1: A new pillar in cardiorenal Dual protection beyond glycemia control

Chapter 2: First hand experience of kerandia (finerenone)

Speaker: 蔡尚峰 / Shang-Deng Tsai

台中榮民總醫院 腎臟科

Division of Nephrology, Taichung Veterans General Hospital

Sponsored by: 台灣拜耳股份有限公司 / Bayer Taiwan Company Ltd.

**Date : December 9 (Saturday), 2023**

**12:20-13:10**

**Lunch Symposium 4**

**Room 4 (701-H)**

Chair(s): 吳家兆 / Chia-Chao Wu

Topic: Unlocking Therapeutic Potential of Renal Anemia in Dialysis Patients:

Vadadustat, a Novel HIF-PH Inhibitor

Speaker: 洪思群 / Szu-Chun Hung

台北慈濟醫院 腎臟科

Taipei Tzu Chi Hospital

Sponsored by: 台田藥品股份有限公司 / Tai Tien Pharmaceuticals Co., Ltd.



## Detailed Program

### Lunch Symposium

**Date : December 9 (Saturday), 2023**

**12:20-13:10**

**Lunch Symposium 5**

**Room 5 (702)**

Chair(s): 林承勳 / Cheng-Jui Lin

Topic: Ultomiris: Revolutionizing the Ultimate aHUS Survival Journey

Speaker: 陳怡儒 / I-Ru Chen

中國醫藥大學附設醫院 內科部腎臟系腎臟移植科主任

Director of Division of Renal transplantation, Department of Internal Medicine

Sponsored by: 台灣阿斯特捷利康股份有限公司 / AstraZeneca Taiwan Limited



## Detailed Program

### Lunch Symposium

**Date : December 10 (Sunday), 2023**

**12:20-13:10**

**Lunch Symposium 6**

**Room 1 (701-A)**

Chair(s): 黃尚志 / Shang-Jyh Hwang

Topic: Management of HF Throughout Full-spectrum of LVEF

Speaker: 江晨恩 / Chern-En Chiang

國立陽明交通大學內科學科教授

臺北榮民總醫院

Professor of Medicine at National Yang Ming Chiao Tung University

Sponsored by: 台灣阿斯特捷利康股份有限公司 / AstraZeneca Taiwan Limited

**Date : December 10 (Sunday), 2023**

**12:20-13:10**

**Lunch Symposium 7**

**Room 2 (701-B)**

Chair(s): 洪冠予 / Kuan-Yu Hung

Topic: The CONVINCe Study's Impact on Mortality and HDF: Lessons and Future Directions?

Speaker: Prof. Bernard Canaud

Bernard Canaud, Emeritus Professor of Medicine, MD, PhD

Montpellier University, School of Medicine & MTX Cons. Int. Montpellier-France

Sponsored by: 台灣費森尤斯醫藥股份有限公司 / Fresenius Medical Care Taiwan Co., Ltd.

## Detailed Program

### Lunch Symposium

**Date : December 10 (Sunday), 2023**

**12:20-13:10**

**Lunch Symposium 8**

**Room 3 (701-D)**

Chair(s): 陳金順 / Jin-Shuen Chen

Topic: Therapeutic Implication of CKD Bone Disease  
慢性腎臟病骨疾病之治療意義

Speaker: 鄭本忠 / Ben-Chung Cheng  
高雄長庚腎臟內科  
Chang Gung Memorial Hospital-Kaohsiung, Division of Nephrology

Sponsored by: 吉泰藥品股份有限公司 / Taiwan Specialty Pharma Corp.

**Date : December 10 (Sunday), 2023**

**12:20-13:10**

**Lunch Symposium 9**

**Room 4 (701-H)**

Chair(s): 張哲銘 / Jer-Ming Chang

Topic: GLP-1RA and CKD: Unveiling the Renoprotective Potential in Diabetes  
GLP-1RA 藥物在糖尿病腎病中的保腎潛力：探討其作用機制和臨床應用

Speaker: 林祐賢 / You-Hsien Lin  
高雄市立大同醫院 (委託高雄醫學大學經營) 腎臟內科  
Kaohsiung Municipal Ta-Tung Hospital

Sponsored by: 台灣諾和諾德藥品股份有限公司 / Novo Nordisk Taiwan

## Oral Presentation 1 (English)

December 9 (Saturday), 2023 09:00 ~ 10:30

Room 1 (701-A)

【 Basic-1 】 Chair(s): Sung Gyun Kim 、 Jung Tak Park 、 林水龍 / Shuei-Liong Lin

**09:00-09:12 1.** Hypoxic Mesenchymal Stem Cells-Derived Exosomes Inhibit Renal Fibrosis through Modulating Heparin-Binding EGF-Like Growth Factor Signaling

Wei-Cheng Tseng<sup>1,2,4</sup>, Shih-Chieh Hung<sup>5</sup>, Der-Cherng Tarn<sup>1,2,3,4,\*</sup>

<sup>1</sup>Division of Nephrology, Taipei Veterans General Hospital; <sup>2</sup>School of Medicine, <sup>3</sup>Department and Institute of Physiology, and <sup>4</sup>Center for Intelligent Drug Systems and Smart Bio-devices (IDS2B), National Yang Ming Chiao Tung University; <sup>5</sup>Institute of Biomedical Sciences, Academia Sinica

**09:12-09:24 2.** Integration of Molecular Docking and Solubility Analysis: Thymoquinone Derivatives as Dual-Action Agents for Chronic Kidney Diseases Targeting COX-1/2 Protein Receptors

RR Saputra<sup>1</sup>, SM Ulfa<sup>2</sup>

<sup>1</sup>Department of Chemistry, Universitas Palangka Raya, Indonesia

<sup>2</sup>Department of Chemistry, University of Brawijaya, Indonesia

**09:24-09:36 3.** Mitochondrial dysfunction and autophagy blockade contribute to renal osteodystrophy in experimental chronic kidney disease-mineral bone disorder

Shun-Neng Hsu <sup>1,2</sup>, Louise A Stephen<sup>1</sup>, Kanchan Phadwal<sup>2</sup>, Roderick Carter<sup>3</sup>, Ineke Luijten<sup>3</sup>, Vicky E MacRae<sup>2</sup>, Tom Freeman<sup>4</sup> and Colin Farquharson<sup>2</sup>

<sup>1</sup> Division of Nephrology, Department of Medicine, Tri-Service General Hospital, National Defense Medical Center, Taipei, Taiwan

<sup>2</sup> The Roslin Institute and Royal (Dick) School of Veterinary Studies, University of Edinburgh, Easter Bush, Midlothian, UK

<sup>3</sup> Centre for Cardiovascular Science, Queen's Medical Research Institute, University of Edinburgh, Edinburgh, UK

<sup>4</sup> The Janssen Pharmaceutical Companies of Johnson and Johnson, Pennsylvania, USA.

**09:36-09:48 4.** Modulatory Effects of *Rubia cordifolia* against some Blood Oxidative Stress Markers in diabetic Rats with chronic kidney disease

Shweta Katiyar

SBN Government PG College, Barwani (M.P), India

- 09:48-10:00 5.** The therapeutic potential of Disintegrin ARGDRR in AKI to CKD continuum  
Tsai-Chen Chiang<sup>1</sup>, Jia-Huang Chen<sup>1</sup>, Shao-Yu Yang<sup>2</sup>, Jenq-Wen Huang<sup>2</sup>,  
Kuan-Yu Hung<sup>2</sup>, Tur-Fu Huang<sup>4</sup>, Woei-Jer Chuang<sup>5</sup>, Chih-Kang Chiang<sup>1,2,3</sup>  
<sup>1</sup>Graduate Institute of Toxicology, College of Medicine, National Taiwan University (NTU)  
<sup>2</sup>Division of Nephrology, Department of Internal Medicine, NTU Hospital  
<sup>3</sup>Division of Blood purification, Department of Integrated Diagnostics & Therapeutics, NTU Hospital  
<sup>4</sup>Graduate Institute of Pharmacology, College of Medicine, NTU  
<sup>5</sup>Department of Biochemistry, National Cheng Kung University Medical College
- 10:00-10:12 6.** The Correlation of Hypercholesterolemia and Kidney Damage Status on High-Fat Induced Rats (*Rattus Norvegicus*) after Intervention of Synbiotic Drink Containing *Lactobacillus* sp. Isolates  
B Melvern<sup>1</sup>, AN Yosanto<sup>2</sup>, HA Sudiarto<sup>1</sup>  
<sup>1</sup> Bendan General Hospital, Pekalongan City, Central Java, Indonesia,  
<sup>2</sup>Aura Syifa Hospital, Kediri, East Java, Indonesia
- 10:12-10:24 7.** Inhibition of angiotensin-2 mitigates kidney injury by attenuating inflammation  
An-Jie Luo<sup>1</sup>, Fan-Chi Chang<sup>2</sup>, Shuei-Liong Lin<sup>1,2</sup>  
<sup>1</sup>Graduate Institute of Physiology, College of Medicine, National Taiwan University  
<sup>2</sup>Renal Division, Department of Internal Medicine, National Taiwan University Hospital

## Oral Presentation 5 (English)

December 9 (Saturday), 2023 10:30 ~ 12:00

Room 2 (701-B)

【 Clinical-3 】 Chair(s): 林志慶 / Chih-Ching Lin、周鈺翔 / Yu-Hsiang Chou

- 10:30-10:42 1.** Variability of Iron Status Predicts Adverse Outcomes in Chronic Kidney Disease  
Yi-Hong Wu<sup>1</sup>, Der-Cherng Tarn<sup>1,2,3,4</sup>, Wei-Cheng Tseng<sup>1,2,3,\*</sup>  
<sup>1</sup>Division of Nephrology, Department of Medicine, Taipei Veterans General Hospital, Taiwan; <sup>2</sup>School of Medicine, <sup>3</sup>Center for Intelligent Drug Systems and Smart Bio-devices (IDS2B) and <sup>4</sup>Department and Institute of Physiology, National Yang Ming Chiao Tung University, Taiwan
- 10:42-10:54 2.** Far-Infrared Therapy Improves Cardiovascular and Infectious Disease Outcomes in Continuous Ambulatory Peritoneal Dialysis Patients: A Prospective Clinical Trial  
Fan-Yu Chen<sup>1</sup>, Szu-Yuan Li<sup>1</sup>, Chyong-Mei Chen<sup>2</sup>, Shu-Ai Lin<sup>1</sup>, Yi-Ching Chang<sup>1</sup>, Chih-Ching Lin<sup>1</sup>  
<sup>1</sup>Division of Nephrology, Department of Medicine, Taipei Veterans General Hospital, Taipei, Taiwan  
<sup>2</sup>Institute of Public Health, College of Medicine, National Yang Ming Chiao Tung University, Taipei, Taiwan
- 10:54-11:06 3.** Semantic Segmentation of Renal Ultrasound Images Using Fully Supervised and Semi-Supervised Deep Learning Models  
Yi-Chin Chen<sup>1</sup>, Jing-Ru He<sup>1</sup>, Yen-Hua Huang<sup>1,\*</sup>, Kung-Hao Liang<sup>3</sup>, Wei-Cheng Tseng<sup>4</sup>, Shuo-Ming Ou<sup>4</sup>, Wayne Huey-Herng Sheu<sup>5</sup>, Der-Cherng Tarn<sup>1,2,4,\*</sup>  
<sup>1</sup>Institute of Biomedical Informatics, and <sup>2</sup>Department and Institute of Physiology, National Yang Ming Chiao Tung University; <sup>3</sup>Department of Medical Research, and <sup>4</sup>Division of Nephrology, Taipei Veterans General Hospital; <sup>5</sup>Institute of Molecular and Genetic Medicine, National Health Research Institute, Taiwan
- 11:06-11:18 4.** Meta-analysis of Association between TCF7L2 rs7903146 and Risk of New-Onset Diabetes After Transplantation  
Muhammad Tassaduq Khan  
Dow university hospital, Pakistan
- 11:18-11:30 5.** Frequency of Urinary Tract Infection by Multidrug Resistance Organisms and its Effect on Graft Function in Renal Transplant Recipients  
Muhammad Tassaduq Khan  
Dow university hospital, Pakistan

- 11:30-11:42 6.** Mitigating Targeted Organ Injury in Type 2 Diabetic Patients with Acute Kidney Disease: A Therapeutic Inquiry into Thiazolidinediones  
Li-Yang Chang<sup>1</sup>, Hung-Wei Liao<sup>2</sup>, Jui-Yi Chen<sup>3</sup>, Chao-Fu Chang<sup>4</sup>, Vincent Wu<sup>5</sup>  
<sup>1</sup> National Taiwan University College of Medicine, <sup>2</sup> Taipei Municipal Wanfang Hospital, Division of Nephrology, <sup>3</sup> Chi Mei Hospital Department of Nephrology, <sup>4</sup> Yukang Center,  
<sup>5</sup> National Taiwan University Hospital Study Group on Acute Renal Failure (NSARF)
- 11:42-11:54 7.** Nirmatrelvir-ritonavir or molnupiravir among US non-hospitalized patients with chronic kidney disease: one to six months mortality and renal outcomes  
Chien-Liang Chen<sup>1</sup>, Renin Chang<sup>1</sup>, Yao-Min Hung<sup>2</sup>, Yu-Hsun Wang<sup>3</sup>, James Cheng-Chung Wei<sup>3</sup>  
<sup>1</sup>Kaohsiung Veterans General Hospital, <sup>2</sup>Division of Nephrology, <sup>2</sup>Taipei Veterans General Hospital Taitung Branch, <sup>3</sup> Chung Shan Medical University Hospital



## Oral Presentation 6 (English)

December 9 (Saturday), 2023 10:30 ~ 12:00

Room 3 (701-D)

【Clinical-4】 Chair(s): 張哲銘 / Jer-Ming Chang、施宏謀 / Hong-Mou Shih

**10:30-10:42 1.** A Pilot Study on the Architecture of Renal Ultrasonography AI Systems: Predicting Patient eGFR

Jing-Ru He<sup>1</sup>, Yi-Chin Chen<sup>1</sup>, Yen-Hua Huang<sup>1,\*</sup>, Kung-Hao Liang<sup>3</sup>, Wei-Cheng Tseng<sup>4</sup>, Shuo-Ming Ou<sup>4</sup>, Wayne Huey-Herng Sheu<sup>5</sup>, Der-Cherng Tarn<sup>1,2,4,\*</sup>

<sup>1</sup>Institute of Biomedical Informatics, and <sup>2</sup>Department and Institute of Physiology, National Yang Ming Chiao Tung University; <sup>3</sup>Department of Medical Research, and <sup>4</sup>Division of Nephrology, Taipei Veterans General Hospital; <sup>5</sup>Institute of Molecular and Genetic Medicine, National Health Research Institute, Taiwan

**10:42-10:54 2.** Shear-Wave Elastography Predicts Kidney Function and Fibrosis in Glomerular Disease

Tyng-Shiuan Gau<sup>1</sup>, Hao-Hsiang Hsu<sup>1</sup>, Ruey-Yun Du<sup>2</sup>, Wan-Ting Chiu<sup>2</sup>, Ming-Shiou Wu<sup>1</sup>, Fan-Chi Chang<sup>1</sup>

<sup>1</sup>Renal Division, Department of Internal Medicine, National Taiwan University Hospital <sup>2</sup>Division of Ultrasound, Department of Integrated Diagnostics and Therapeutics, National Taiwan University Hospital

**10:54-11:06 3.** Impact of SGLT2 inhibitors on patient outcomes: a network meta-analysis  
Jui-Yi Chen<sup>1</sup>, Heng-Chih Pan<sup>2</sup>, Chih-Chung Shiao<sup>3</sup>, and Vin-Cent Wu<sup>4</sup>

<sup>1</sup>Division of Nephrology, Chi-Mei Medical Center, Tainan, <sup>2</sup>Division of Nephrology, Keelung Chang Gung Memorial Hospital, Keelung, <sup>3</sup>Division of Nephrology, Camillian Saint Mary's Hospital Luodong, <sup>4</sup>Department of Internal Medicine, National Taiwan University Hospital, Taipei

**11:06-11:18 4.** Beneficial Effects of Angiotensin Receptor-Neprilysin Inhibitors in Patients with Acute Kidney Disease and Heart Failure

Jui-Yi Chen<sup>1</sup>, Heng-Chih Pan<sup>2</sup>, Vin-Cent Wu<sup>3\*</sup>

<sup>1</sup>Department of Internal Medicine, Chi-Mei Medical Center, Tainan, Taiwan  
<sup>2</sup>Department of Internal Medicine, Keelung Chang Gung Memorial Hospital, Taiwan

<sup>3</sup>Department of Internal Medicine, National Taiwan University Hospital, Taipei, Taiwan

- 11:18-11:30 5.** Assessing the impact of tirzepatide on mitigating major adverse kidney and cardiac events in individuals with type 2 diabetes mellitus  
Min-Hsiang Chuang<sup>1</sup>, Zheng-Hong Jiang<sup>2</sup>, Jui-Yi Chen<sup>1</sup>, Vin-cent Wu<sup>2</sup>  
<sup>1</sup>Division of Nephrology, Department of Internal Medicine, Chi Mei Medical Center.  
<sup>2</sup>Division of Nephrology, Department of Internal Medicine, National Taiwan University Hospital and National Taiwan University College of Medicine
- 11:30-11:42 6.** Enhancing renovascular service with a multidisciplinary model of care: an Australian tertiary hospital experience.  
LH Jin<sup>1</sup>, A Jones<sup>1</sup>  
<sup>1</sup>Department of Vascular Surgery, The Canberra Hospital, Canberra, ACT, Australia
- 11:42-11:54 7.** Predicting Major Adverse Kidney Events in Patients with Heart Failure and Reduced Ejection Fraction by Deep Learning-Based Algorithms  
Cheng-Chien Lai<sup>1,3</sup>, Shao-Sung Huang<sup>2,3</sup>, Der-Cherng Tarn<sup>1,3,4</sup>, Wei Cheng Tseng<sup>1,3,4,\*</sup>  
<sup>1</sup>Division of Nephrology and <sup>2</sup>Division of Cardiology, Department of Medicine, Taipei Veterans General Hospital; <sup>3</sup>School of Medicine and <sup>4</sup>Center for Intelligent Drug Systems and Smart Bio-devices (IDS2B), National Yang Ming Chiao Tung University, Taiwan

## Oral Presentation 2 (Chinese)

December 9 (Saturday), 2023 09:00 ~ 10:30

Room 5 (702)

【 Basic-2 】 Chair(s): 許翔皓 / Hsiang-Hao Hsu、楊智宇 / Chih-Yu Yang

- 09:00-09:12 1.** Decreased NK cell-mediated cytotoxicity is associated with hypoalbuminemia in hemodialysis patients  
Bing-Rong Chung<sup>1</sup>, Kai-Hsiang Shu<sup>1</sup>, I-Yu Chen<sup>1</sup>, Yen-Ling Chiu<sup>1,2,3</sup>  
<sup>1</sup>Division of Nephrology, Department of Medicine, Far Eastern Memorial Hospital  
<sup>2</sup>Graduate Institute of Medicine, Yuan Ze University  
<sup>3</sup>Graduate Institute of Clinical Medicine, National Taiwan University College of Medicine
- 09:12-09:24 2.** Activation of hypoxia-inducible factors in erythroid progenitor cells results in defective erythropoiesis  
Szu-Yu Pan<sup>1</sup>, Pei-Zhen Tsai<sup>2</sup>, Shuei-Liong Lin<sup>1,2</sup>  
<sup>1</sup>National Taiwan University Hospital, <sup>2</sup>Graduate Institute of Physiology, National Taiwan University College of Medicine
- 09:36-09:48 4.** Molecular mechanisms of thiazide diuretics-mediated inhibition of the sodium-chloride cotransporter  
Chien-Ling Lee<sup>1,2</sup>, Minrui Fan<sup>1,2</sup>, Jianxiu Zhang<sup>1,2</sup>, Jinru Zhang<sup>1,2</sup> & Liang Feng<sup>1</sup>  
<sup>1</sup>Department of Molecular and Cellular Physiology, Stanford University School of Medicine, Stanford, CA, USA. <sup>2</sup>These authors contributed equally
- 09:48-10:00 5.** The protective effect of Visnagin on LPS-induced acute kidney injury via NF-κB pathway and antioxidative pathway  
Sheng-Wen Wu<sup>1,2</sup>, Yu-Hsiang Kuan<sup>3</sup>  
<sup>1</sup>School of Medicine, Chung Shan Medical University, Taichung, Taiwan  
<sup>2</sup>Division of Nephrology, Chung Shan Medical University Hospital, Taichung, Taiwan  
<sup>3</sup>Department of Pharmacology, School of Medicine, Chung Shan Medical University, Taichung, Taiwan
- 10:00-10:12 6.** Protective Role of Taurine on Rat Offspring Hypertension in the Setting of Maternal Chronic Kidney Disease  
You-Lin Tain<sup>1</sup>, Wei-Ling Chen<sup>1</sup>, Wei-Ting Liao<sup>1</sup>, Chien-Ning Hsu<sup>2</sup>  
<sup>1</sup>Division of Pediatric Nephrology and <sup>2</sup>Department of Pharmacy, Kaohsiung Chang Gung Memorial Hospital, Kaohsiung, Taiwan

**10:12-10:24 7. Impact of Irisin Deficiency on Podocytopathy and Diabetic Kidney Disease in a Murine Model**

Hsin-Hung Chen, Tzu-Ming Jao, Chia-Jung Li, and Jin-Shuen Chen

<sup>1</sup>Department of Medical Education and Research, Kaohsiung Veterans General Hospital, Kaohsiung, Taiwan.

<sup>2</sup>Global Innovation Joint Degree Program, International Joint Degree Master's Program in Agro-Biomedical Science in Food and Health, College of Medicine, National Taiwan University, Taipei, Taiwan.

<sup>3</sup>Department of Obstetrics and Gynecology, Kaohsiung Veterans General Hospital, Kaohsiung, Taiwan

<sup>4</sup>Department of Medical Education and Research, Kaohsiung Veterans General Hospital, Kaohsiung City, Taiwan; Institute of Precision Medicine, National Sun Yat-Sen University, Kaohsiung City, Taiwan; Division of Nephrology, Department of Medicine, Tri-Service General Hospital, Taipei, Taiwan

## Oral Presentation 7 (Chinese)

December 9 (Saturday), 2023 10:30 ~ 12:00

Room 5 (702)

【Clinical-5】 Chair(s): 李柏蒼 / Po-Tsang Lee、游棟閔 / Tung-Min Yu

- 10:30-10:42 1.** Artificial intelligence risk prediction systems effectively reduces the incidence of intradialytic hypotension  
Chi-Ya Huang  
Nephrology Department of Chi Mei Medical Center
- 10:42-10:54 2.** Use of super high flux hemodialysis , for treatment of HD Patients with uremic pruritus and perforating dermatosis  
Cheng-Ching Peng  
Guan Hua Hospital hemodialysis center
- 11:06-11:18 4.** Machine learning-based prediction of cardiac dysfunction in hemodialysis patients through blood proteomics analysis  
Ping-Hsun Wu<sup>1,2</sup>, Jen-Ping Lee<sup>2</sup>, Yu-Lin Chao<sup>1</sup>, Yi-Wen Chiu<sup>1,2</sup>, Shang-Jyh Hwang<sup>1,2</sup>, Yi-Ting Lin<sup>2,3</sup>, Mei-Chuan Kuo<sup>1,2</sup>  
<sup>1</sup>Division of Nephrology, Department of Internal Medicine, KMH <sup>2</sup>Faculty of Medicine, College of Medicine, KMH <sup>3</sup>Department of Family Medicine, KMH
- 11:18-11:30 5.** To Establish the Rope Ladder Technique of AV Access: the Three Year Experience in a District Hospital  
Ya-Ping Chang<sup>1</sup>, Tzu-Yu Chen<sup>1</sup>, Yuan-Yang Hsu<sup>1</sup>, Mei-Chen Chou<sup>1</sup>, Hsiao-Ting Liao<sup>1</sup>, Hsin-Yu Liao<sup>1</sup>, Nai-Chi Kuo<sup>1</sup>, Chen-Sen Huang<sup>2</sup>, Ya-Ping Chang<sup>1</sup>  
<sup>1</sup>Douliou Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation Department of Nursing  
<sup>2</sup>Dalin Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation Department of Nephrology
- 11:30-11:42 6.** Deep radiomics revealed distinct anatomical distribution of aortic calcification in patients with chronic kidney disease  
Chia-Ter Chao<sup>1</sup>, Hsiang-Yuan Yeh<sup>2</sup>  
<sup>1</sup>Division of Nephrology, Department of Internal Medicine, National Taiwan University Hospital, Taipei, Taiwan  
<sup>2</sup>School of Big Data Management, Soochow University, Taipei, Taiwan

## Oral Presentation 3 (Chinese)

December 9 (Saturday), 2023 09:00 ~ 10:15

Room 6 (703)

【 Clinical-1 】 Chair(s): 宋志建 / Chih-Chien Sung、張育誌 / Yu-Tzu Chang

**09:00-09:12 1.** Exploring the Cardiovascular and All-Cause Mortality Outcomes of SGLT2 Inhibitors in Patients with Diabetes Initiated on Acute Renal Replacement Therapy: Filling the Gap in Research

Chung-An Wang<sup>1</sup>, Li-Chun Lin<sup>2</sup>, Jui-Yi Chen<sup>3</sup>, Wei-Jie Wang<sup>4</sup>, Vin-Cent Wu<sup>5</sup>

<sup>1</sup>Taipei Medical University School of Medicine, <sup>2</sup>National Taiwan University Hospital Department of Internal Medicine, Division of Nephrology, <sup>3</sup>Chi Mei Hospital Department of Nephrology, <sup>4</sup>Taoyuan General Hospital Department of Nephrology, <sup>5</sup>National Taiwan University Hospital Study Group on Acute Renal Failure (NSARF)

**09:12-09:24 2.** Application of CPFA in Children with Acute Liver Failure: A bridging Therapy

Nai-Chia Fan<sup>1</sup>, Jann-Jim Lin<sup>2</sup>, Shao-Hsuan Hsia<sup>3</sup>, Min-Wei Lai<sup>4</sup>, Min-Hua Tseng<sup>1</sup>

<sup>1</sup>Division of Pediatric Nephrology, Department of Pediatrics, Chang Gung Memorial Hospital, Taoyuan, Taiwan

<sup>2</sup>Division of Pediatric Critical Care and Pediatric Neurocritical Care Center, Chang Gung Children's Hospital and Chang Gung Memorial Hospital, Taoyuan, Taiwan

<sup>3</sup>Division of Pediatric Critical Care and Pediatric Neurocritical Care Center, Chang Gung Children's Hospital and Chang Gung Memorial Hospital, Taoyuan, Taiwan

<sup>4</sup>Division of Pediatric Gastroenterology, Department of Pediatrics, Chang Gung Memorial Hospital, Linkou Branch, Taiwan

- 09:24-09:36 3.** Dipeptidyl Peptidase 4 Inhibitors Reduced Risk of Adverse Outcomes in Diabetes Patients after Acute Kidney Injury  
Hung-Wei Liao<sup>1</sup>, Chung-Yi Cheng<sup>1</sup>, Jui-Yi Chen<sup>2</sup>, Heng-Chih Pan<sup>3</sup>, Tao-Min Huang<sup>4</sup>, Vin-Cent Wu<sup>4</sup>  
<sup>1</sup>Division of Nephrology, Department of Internal Medicine, Wan Fang Hospital, Taipei Medical University, Taipei, Taiwan  
<sup>2</sup>Division of Nephrology, Department of Internal Medicine, Chi Mei Medical Center, Tainan, Taiwan  
<sup>3</sup>Division of Nephrology, Department of Internal Medicine, Keelung Chang Gung Memorial Hospital, Keelung, Taiwan  
<sup>4</sup>Department of Internal Medicine, National Taiwan University Hospital, College of Medicine, National Taiwan University, Taiwan
- 09:36-09:48 4.** Performance of urinary C–C motif chemokine ligand 14 for the prediction of persistent acute kidney injury  
Wei-Yu Chen<sup>1</sup>, Yih Ting Chen<sup>1</sup>, Cheng Kai Hsu<sup>1</sup>, Chiao Yin Sun<sup>1</sup>, Chun Yu Chen<sup>1</sup>, Yi Hung Chen<sup>2</sup>, Heng Jung Hsu<sup>1</sup>, I-Wen Wu<sup>3</sup>, Vin-Cent Wu<sup>4</sup> and Heng-Chih Pan<sup>1</sup>  
<sup>1</sup>Division of Nephrology, Department of Internal Medicine, Keelung Chang Gung Memorial Hospital, <sup>2</sup>Department of Pharmacy, Keelung Chang Gung Memorial Hospital, Keelung, Taiwan, <sup>3</sup>Division of Nephrology, Department of Internal Medicine, Shuang Ho Hospital, New Taipei City, Taiwan, <sup>4</sup>Division of Nephrology, Department of Internal Medicine, National Taiwan University Hospital, Taipei, Taiwan
- 09:48-10:00 5.** Correlation of sociodemographic profiles with depression and sleep disturbance among hospitalized patients receiving unplanned hemodialysis  
Yu-Yin Kao<sup>1</sup>, Jin-Bor Chen<sup>2</sup>, Wen-Chin Lee<sup>2</sup>  
<sup>1</sup>Department of Nursing, Kaohsiung Chang Gung Memorial Hospital  
<sup>2</sup>Division of Nephrology, Department of Internal Medicine, Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan
- 10:00-10:12 6.** Long-term Impacts of Xenoestrogen Exposure on Kidney Function: A Community-Based Cohort Study  
Yun-An Liu<sup>1</sup>, Chin-Chan Lee<sup>1,2,3</sup>, Heng-Jung Hsu<sup>1,2,3</sup>, I-Wen Wu<sup>4</sup>, Yung-Chang Chen<sup>2</sup>, Heng-Chih Pan<sup>1,2,3</sup>, Yih-Ting Chen<sup>1,2,3</sup>, Cheng-Kai Hsu<sup>1,2</sup>, Chiao-Yin Sun<sup>1,2,3</sup>, Chun-Yu Chen<sup>1,2,3</sup>  
<sup>1</sup>Department of Nephrology, Chang Gung Memorial Hospital, Keelung Branch, <sup>2</sup>College of Medicine, Chang Gung University, <sup>3</sup>Community Medicine Research Center, Keelung Chang Gung Memorial Hospital, <sup>4</sup>Taipei Medical University



## Oral Presentation 8 (Chinese)

December 9 (Saturday), 2023 10:30 ~ 12:00

Room 6 (703)

【 Clinical-6 】 Chair(s): 方華章 / Hua-Chang Fang、李佳蓉 / Jia-Jung Lee

- 10:30-10:42 1.** Illicit drug use and acute kidney injury in emergency department patients  
Yu-Cheng Lin<sup>1,2</sup>, Yih-Ting Chen<sup>1,2</sup>, Cheng-Kai Hsu<sup>1,2</sup>, Chun-Yu Chen<sup>1,2</sup>,  
Heng-Jung Hsu<sup>1,2</sup>, Shih-Chieh Shao<sup>3</sup>, Chin-Chan, Lee<sup>1</sup>, Chiao-Yin, Sun<sup>1,2</sup>,  
Heng-Chih, Pan<sup>1,2</sup>, Hsien-Yi Chen<sup>2,4</sup>  
<sup>1</sup>Department of Nephrology, Chang Gung Memorial Hospital, Keelung, Taiwan  
<sup>2</sup>College of Medicine, Chang Gung University, Taoyuan, Taiwan  
<sup>3</sup>Department of Pharmacy, Chang Gung Memorial Hospital, Keelung, Taiwan  
<sup>4</sup>Department of Emergency Medicine, Chang Gung Memorial Hospital, Taoyuan, Taiwan
- 10:42-10:54 2.** The Association of Heat Stress with Renal Function in different region in Taiwan  
Wei-Yu Su, Yi-Kong Chen, You-Chi Chen, Ming-Yen Lin, Ping-Hsun Wu, Szu-Chia Chen, Yi-Wen Chiu, Jer-Ming Chang  
Division of Nephrology, Department of Internal Medicine, Kaohsiung Medical University Hospital, Kaohsiung Medical University, Kaohsiung, Taiwan
- 10:54-11:06 3.** Indoxyl sulfate and dyscalcemia contribute to the cognitive impairment in patients with end stage renal disease by altering white matters crossing corpus callosum and fornix/stria terminalis  
Yi-Chou Hou<sup>1,2</sup>, Ruei-Ming Chen<sup>2</sup>, Yi-Chien Liu<sup>3</sup>, Kuo-Cheng Lu<sup>4</sup>, Chih-Chien Tsai<sup>5</sup>, Jiun-Jie Wang<sup>5</sup>  
<sup>1</sup>Department of Internal Medicine, Cardinal Tien Hospital, New Taipei City, Taiwan; School of Medicine, Fu Jen Catholic University, New Taipei City, Taiwan  
<sup>2</sup>TMU Research Center of Cancer Translational Medicine, Graduate Institute of Medical Sciences, College of Medicine, Taipei Medical University, Taipei, Taiwan  
<sup>3</sup>Department of Neurology, Cardinal Tien Hospital, New Taipei City, Taiwan  
<sup>4</sup>Department of Nephrology, Taipei Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation, New Taipei City, Taiwan  
<sup>5</sup>Department of Medical Imaging and Radiological Sciences, Healthy Aging Research Center, College of Medicine, Chang Gung University, Taoyuan, Taiwan

- 11:06-11:18 4.** Optimizing Daily Albuminuria Estimation from Spot Urine with a Weight-Based Equation  
Liang-Chun Chen, Chih-Yu Yang, and Der-Cherng Tarng  
Division of Nephrology, Department of Medicine, Taipei Veterans General Hospital, Taipei, Taiwan
- 11:18-11:30 5.** Efficacy of lipid-lowering drugs on cardiovascular and renal outcomes in patients with chronic kidney disease: A systematic review and network meta-analysis  
Yi-Chih Lin<sup>1,2,3</sup>, Tai-Shuan Lai<sup>1</sup>, Yi-Ting Chen<sup>1,4</sup>, Yu-Hsiang Chou<sup>1</sup>, Shuei-Liong Lin<sup>1</sup>, Yung-Ming Chen<sup>1</sup>, Kuan-Yu Hung<sup>1,5</sup>, Yu-Kang Tu<sup>3</sup>  
<sup>1</sup>Division of Nephrology, Department of Internal Medicine, National Taiwan University Hospital, Taipei, Taiwan  
<sup>2</sup>Department of Medicine, National Taiwan University Hospital Jinshan Branch, New Taipei City, Taiwan  
<sup>3</sup>Institute of Epidemiology and Preventive Medicine, College of Public Health, National Taiwan University, Taipei, Taiwan  
<sup>4</sup>Department of Integrated Diagnostics & Therapeutics, National Taiwan University Hospital  
<sup>5</sup>Graduate Institute of Clinical Medicine, Taipei Medical University & Shuang Ho Hospital, Taiwan
- 11:30-11:42 6.** Gut Microbial Composition Differences in Chronic Kidney Disease Patients with Good and Poor Sleep Quality  
Yi-Chun Wang, Szu-Chun Hung  
Division of Nephrology, Taipei Tzu Chi Hospital
- 11:42-11:54 7.** Taiwan Chronic Kidney Disease Prevalence, Incidence, and Risk Matrix in **2012 — 2020**: Results from **6.8** Million Screening Population  
Ming-Yen Lin<sup>1</sup>, Jia-Sin Liu<sup>2</sup>, Yi-Ling Wu<sup>3</sup>, Chih-Cheng Hsu<sup>3</sup>, Ping-Hsun Wu<sup>1</sup>, Yi-Wen Chiu<sup>1</sup>, Shang-Jyh Hwang<sup>1</sup> on behalf of iH3 Research Group  
<sup>1</sup>Kaohsiung Medical University Hospital, Kaohsiung Medical University,  
<sup>2</sup>Department of Public Health, College of Health Science, Kaohsiung Medical University, <sup>3</sup>National Health Research Institutes

## Oral Presentation 10 (Chinese)

December 9 (Saturday), 2023 12:00 ~ 13:15

Room 6 (703)

- 【 Clinical-8 】 Chair(s): 賴俊夫 / Chun-Fu Lai、楊如燁 / Ju-Yeh Yang
- 12:24-12:36 3.** Urine sCD163/Creatinine Ratio Is a Potential Biomarker of Disease Severity in Patients with IgA Nephropathy  
Li-Yi Ma<sup>1</sup>, Ji-Tseng Fang<sup>1</sup>, Yi-Ran Tu<sup>1</sup>, Tsai-Yi Wu<sup>2</sup>, Yung-Chang Chen<sup>1</sup>, Kun-Hua Tu<sup>1</sup>  
<sup>1</sup>Division of Nephrology, Linkou Chang Gung Memorial Hospital; <sup>2</sup> Chang Gung University
- 12:36-12:48 4.** Clinical outcome and safety of Sodium-Glucose Transport Protein 2 inhibitor (SGLT2i) in kidney transplant recipients  
Bang-Hao Chiou<sup>1</sup>, Sheng-Wen Wu<sup>1,2</sup>  
<sup>1</sup>Division of Nephrology, Department of Internal Medicine, Chung Shan Medical University Hospital, Taichung, Taiwan.  
<sup>2</sup>School of Medicine, Chung Shan Medical University, Taichung, Taiwan
- 12:48-13:00 5.** Assessment of the Herpes Zoster Risk Among Renal Transplant Recipients Administered the Influenza Vaccine  
Tzu Ming Cheng<sup>1</sup>, Jin-Shuen Chen<sup>1,3</sup>, Hua-Chang Fang<sup>1,2</sup>, Kang-Ju Chou<sup>1,2</sup>, Po-Tsang Lee<sup>1,2</sup>, Chih-Yang Hsu<sup>1,2</sup>, Chien-Wei Huang<sup>1,2</sup>, Hsin-Yu Chen<sup>1,2</sup>, Chien-Liang Chen<sup>1,2</sup>  
<sup>1</sup>Division of Nephrology, Department of Medicine, Kaohsiung Veterans General Hospital, Kaohsiung, <sup>2</sup>School of Medicine, National Yang Ming Chiao Tung University, Taipei,
- 13:00-13:12 6.** Neonatal Hypocalcemia and Maternal Hypercalcemia: Exploring the Potential Connection to Parathyroid Adenoma and CaSR Mutations  
Jhao-Jhuang Ding<sup>1</sup>, Shih-Hua Lin<sup>2</sup>, Min-Hua Tseng<sup>3</sup>  
<sup>1</sup>Department of Pediatrics, Tri-Service General Hospital; <sup>2</sup>Division of Nephrology, Department of Internal Medicine, Tri-Service General Hospital; <sup>3</sup>Division of Nephrology, Department of Pediatrics, Chang Gung Memorial Hospital

## Oral Presentation 4 (English)

December 9 (Saturday), 2023 09:00 ~ 10:30

Room 7 (701-F)

【 Basic-3 】 Chair(s): 許育瑞 / Yu-Juei Hsu、黎思源 / Szu-Yuan Li

- 09:00-09:12 1.** The Effects of Hypoxia-Inducible Factors on Water Regulation in the Kidney  
Ching-Chun Yang<sup>1</sup>, Kai-Ting Huang<sup>1</sup>, Szu-Yu Pan<sup>1,2</sup>, Shuei-Liong Lin<sup>1,2</sup>  
<sup>1</sup>National Taiwan University College of Medicine, <sup>2</sup>National Taiwan University Hospital
- 09:12-09:24 2.** Nephroprotective potential of Gallic acid metformin against Streptozotocin induced diabetic nephropathy in Wistar rats via inhibition of DPP-4 and TGF- $\beta$   
Vikas Kumar<sup>1</sup>, Firoz Anwar<sup>2</sup>  
<sup>1</sup>Department of Pharmaceutical Sciences, Sam Higginbottom University of Agriculture, Technology & Sciences, Prayagraj, India  
<sup>2</sup>Department of Biochemistry, King Abdulaziz University, Jeddah, Saudi Arabia
- 09:24-09:36 3.** Synergy of clones of IgG1/3 anti-PLA2R autoantibody leads to complement activation and podocyte damage  
Kun-Hua Tu<sup>1,3</sup>, Tsai-Yi Wu<sup>3</sup>, Tai-Di Chen<sup>2</sup>, Ji-Tseng Fang<sup>1</sup>, Chi-Wei Yang<sup>1</sup>, Cheng-Lung Ku<sup>3</sup>  
<sup>1</sup>Department of Nephrology, <sup>2</sup>Department of Pathology, Chang-Gung Memorial Hospital, <sup>3</sup>Graduate Institute of Clinical Medical Sciences, Chang Gung University, Taoyuan, Taiwan

【 Clinical-2 】 Chair(s): 許育瑞 / Yu-Juei Hsu、黎思源 / Szu-Yuan Li

**09:36-09:48 4.** The Effect of Non-Decaffeinated Coffee and and Decaffeinated Coffee After Induction of High-Purine Diet on Kidney Superoxide Dismutase (SOD) Levels in The Hyperuricemic Rats (*Rattus norvegicus*)

Hilmi Ardian Sudiarto<sup>1</sup>, Dwi Nur Ahsani<sup>2</sup>

<sup>1</sup>General Practitioner, Department of General Practitioner, Bendan General Hospital, Pekalongan, Indonesia

<sup>2</sup>Department of Histology, Faculty of Medicine, Universitas Islam Indonesia

**09:48-10:00 5.** AST-120 improved uremic pruritus by lowering indoxyl sulfate and inflammatory cytokines in hemodialysis patients

Chia-Chao Wu<sup>1</sup>, Ya-Chung Tian<sup>2</sup>, Chien-Lin Lu<sup>3</sup>, Ming-Ju Wu<sup>4</sup>, Paik-Seong Lim<sup>5</sup>, Yi-Wen Chiu<sup>6</sup>, Ko-Lin Kuo<sup>7</sup>, Shou-Hsuan Liu<sup>2</sup>, Yu-Ching Chou<sup>8</sup>, Chien-An Sun<sup>9</sup>, Yi-Chou Hou<sup>10</sup> and Kuo-Cheng Lu<sup>7</sup>

<sup>1</sup>Division of Nephrology, Department of Internal Medicine, Tri-Service General Hospital, National Defense Medical Center, Taipei, Taiwan

<sup>2</sup>Kidney Research Center, Department of Nephrology, Chang Gung Memorial Hospital, Linkou, Taoyuan City, Taiwan

<sup>3</sup>Division of Nephrology, Department of Medicine, Fu Jen Catholic University Hospital, School of Medicine, Fu Jen Catholic University, New Taipei City, Taiwan

<sup>4</sup>Division of Nephrology, Department of Internal Medicine, Taichung Veterans General Hospital, Taichung, Taiwan

<sup>5</sup>Division of Nephrology, Department of Internal Medicine, Tung's Taichung Metroharbour Hospital, Taichung, Taiwan

<sup>6</sup>Division of Nephrology, Department of Internal Medicine, Kaohsiung Medical University Hospital, Kaohsiung, Taiwan

<sup>7</sup>Division of Nephrology, Department of Medicine, Taipei Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation, New Taipei City, Taiwan

<sup>8</sup>School of Public Health, National Defense Medical Center, Taipei, Taiwan.

<sup>9</sup>Department of Public Health, College of Medicine, Fu-Jen Catholic University, New Taipei City, Taiwan

<sup>10</sup>Division of Nephrology, Department of Internal Medicine, Cardinal-Tien Hospital, New Taipei City, Taiwan

- 10:00-10:12 6.** Prevalence of anxiety and depression in hemodialysis patients of end stage renal disease  
Muhammad Usman Noor, Santosh Kumar, Abdul Manan Junejo, Sadia Rehman, Om Lal, Muhammad Tassaduq Khan  
Departments of Biochemistry, Medicine and Nephrology, The Kidney Foundation, Jinnah Sindh Medical University, Jinnah Post Graduate Medical Center, Bahria University Medical and Dental College, Dow University of Health Sciences, Karachi, Pakistan
- 10:12-10:24 7.** Risk Factors of Rehospitalization in Chronic Kidney Disease Patients: An Observational Study  
Ruba Ishtiaq<sup>1</sup>, Muhammad Tassaduq Khan<sup>1</sup>, Amna Hamid<sup>2</sup>, Beenish Hamid<sup>3</sup>  
<sup>1</sup>Kidney Transplant Unit, National Institute of Solid Organ and Tissue Transplantation, Dow University Hospital, Karachi, Pakistan  
<sup>2</sup>Department of Medicine, Aga Khan University Hospital, Karachi, Pakistan  
<sup>3</sup>Shaheed Mohtarma Benazir Bhutto Accident Emergency & Trauma Centre, Civil Hospital, Karachi, Pakistan

## Oral Presentation 9 (Chinese)

December 9 (Saturday), 2023 10:30 ~ 11:30

Room 7 (701-F)

- 【 Clinical-7 】 Chair(s): 陳呈旭 / Cheng-Hsu Chen、賴台軒 / Tai-Shuan Lai
- 10:30-10:42 1.** Biosimilar recombinant human erythropoietin (UB-851) versus Reference Eprex® in Hemodialysis Patients with Renal Anemia: A Multicenter, Randomized, Double-Blinded, Phase III Trial In Taiwan  
Chien-Hsing Wu<sup>1</sup>, Chih-Chung Shiao<sup>2</sup>, Hsien-Yi Wang<sup>#1</sup>, Der-Cherng Tarn<sup>#2</sup>  
Division of Nephrology, Kaohsiung Chang Gung Memorial Hospital<sup>1</sup>, Division of Nephrology, Camillians Saint Mary's Hospital Luodong<sup>2</sup>, Department of Nephrology, Chi Mei Medical Center<sup>#1</sup>, Division of Nephrology, Taipei Veterans General Hospital<sup>#2</sup>
- 10:42-10:54 2.** Circulating Osteocalcin Fractions are Associated with Vascular Calcification and Mortality in Chronic Hemodialysis Patients  
Ruei-An Lin<sup>1,2</sup>, Chih-Yu Yang<sup>1,3</sup>, Yao-Ping Lin<sup>1,3</sup>, and Der-Cherng Tarn<sup>1,3</sup>  
<sup>1</sup>Institute of Clinical Medicine, School of Medicine, National Yang Ming Chiao Tung University, Taipei, Taiwan, <sup>2</sup>Department of Medical Education, National Taiwan University Hospital, Taipei, Taiwan, <sup>3</sup>Division of Nephrology, Department of Medicine, Taipei Veterans General Hospital, Taipei, Taiwan
- 10:54-11:06 3.** The aid of artificial intelligence in the diagnosis of exit site infection in peritoneal dialysis patients  
I-Kuan Wang<sup>1,2</sup>, Kuan-Chi Chen<sup>2</sup>, David Ray Chang<sup>1</sup>, Ping-Chia Lai<sup>1</sup>, Chun-Yuan Lin<sup>3</sup>  
<sup>1</sup>Divisions of Nephrology, China Medical University Hospital, Taichung, Taiwan, <sup>2</sup>Department of Medicine, College of Medicine, China Medical University, Taichung, Taiwan, <sup>3</sup>Computer Science & Information Engineering, Asia University Hospital, Taichung, Taiwan
- 11:06-11:18 4.** The association of glycemic control with patient survival and technique survival in incident diabetic peritoneal dialysis patients  
Hsin-Ju Huang<sup>1</sup>, I-Kuan Wang<sup>1,2</sup>, Hei-Tung Yip<sup>3</sup>, Ping-Chia Lai<sup>1</sup>  
<sup>1</sup>Divisions of Nephrology, China Medical University Hospital, Taichung, Taiwan, <sup>2</sup>Department of Medicine, College of Medicine, China Medical University, Taichung, Taiwan, <sup>3</sup>Management Office for Health Data, China Medical University Hospital, Taichung, Taiwan

**11:18-11:30 5.** A Comparative Study of Lifetime Productivity Loss in Hemodialysis and Peritoneal Dialysis Patients in Taiwan

Chieh-Hsin Huang<sup>1</sup>, Fuhmei Wang<sup>2</sup>, Jing-Shiang Hwang<sup>3</sup>, Jung-Der Wang<sup>4</sup>, Wen-Yen Huang<sup>4</sup>, Tsai-Chieh Ling<sup>1</sup>, Chien-Yao Sun<sup>1</sup>, Wei-Ren Lin<sup>1</sup>, Yu-Tzu Chang<sup>1</sup>

<sup>1</sup>Department of Internal Medicine, National Cheng Kung University Hospital; <sup>2</sup>Department of Economics, College of Social Sciences, National Cheng Kung University; <sup>3</sup>Institute of Statistical Science, Academia Sinica, <sup>4</sup>Department of Public Health, College of Medicine, National Cheng Kung University



## Poster Presentation

張貼地點：7 樓左側迴廊壁報發表區

張貼時間：112 年 12 月 9 日 (星期六) 上午 10:00 至 12 月 10 日 (星期日) 下午 3:00

各組評分討論時間：112 年 12 月 9 日 (星期六) 下午 4 時至 5 時

得獎優秀壁報將於 112 年 12 月 10 日全日標示

類別 編號

Basic B001 – B025

Clinical C001 – C241

## 基礎研究組壁報發表 Basic Poster

### 【Basic】

**B001-B025** Chair(s): 陳金順 / Jin-Shuen Chen、洪思群 / Szu-Chun Hung

**B001** The 5-MTP administration alleviate kidney injury in ischemia-induced acute kidney injury in mice

5-MTP 治療在缺血性急性腎損傷的老鼠模型中可減輕腎臟傷害

I-Ching Kuo<sup>1,2</sup>, Yen-Yi Zhen<sup>1</sup>, Chi-Chih Hung<sup>1</sup>, Hung-Chun Chen<sup>1</sup>

郭宜瑾, 陳晏裕, 洪啟智, 陳鴻鈞

<sup>1</sup>Division of Nephrology, Department of Internal Medicine, Kaohsiung Medical University Hospital, Kaohsiung Medical University, <sup>2</sup> Department of Internal Medicine, Kaohsiung Municipal Ta-Tung Hospital, Kaohsiung Medical University

<sup>1</sup> 高雄醫學大學附設中和醫院 <sup>2</sup> 高雄市立大同醫院

**B002** Renal protective effect of Umbelliferone on Acute Kidney Injury in rats via alteration of PI3K/Akt/Nrf2 Signaling Pathway

Deeksha Chauhan<sup>1\*</sup>, Vikas Kumar<sup>2</sup>

<sup>1</sup>Department of Applied Physics, Rajkamal Science & Management College, Haridwar, India

<sup>2</sup>Department of Pharmaceutical Sciences, Sam Higginbottom University of Agriculture, Technology & Sciences, Prayagraj, India

- B003** Saussurea Involucrata Reduces Renal Injury Caused by Calcium Oxalate Monohydrate.  
雪蓮降低單水草酸鈣造成的腎損傷  
Yin-Pei Chen<sup>1,3</sup>, Yen-Chin Lu<sup>1,3</sup>, Jun-Ting Lin<sup>1,3</sup>, Hsing-I Tseng<sup>1,3</sup>, Li-Fen Huang<sup>5</sup>, Yi-Shiou Tseng<sup>1,2,4</sup>  
陳吟佩<sup>1,3</sup>, 盧艷金<sup>1,3</sup>, 林俊廷<sup>1,3</sup>, 曾馨儀<sup>1,3</sup>, 黃麗芬<sup>5</sup>, 曾一修<sup>1,2,4</sup>  
Divisions of Traumatology<sup>1</sup> and Urology<sup>2</sup>, Far Eastern Memorial Hospital. Department of Medical Research<sup>3</sup>, Far Eastern Memorial Hospital. Graduate Institute of Medicine<sup>4</sup>, Biotechnology and Bioengineering<sup>5</sup>, Yuan Ze University  
亞東紀念醫院外科部創傷科<sup>1</sup>與泌尿科<sup>2</sup>, 亞東紀念醫院醫學研究部<sup>3</sup>, 元智大學醫學研究所<sup>4</sup>, 元智大學生物技術與工程研究所<sup>5</sup>
- B004** Albumin overload induces epithelial-mesenchymal transition of podocyte through endoplasmic reticulum stress  
白蛋白藉由內質網壓力來引發腎絲球足細胞的上皮間葉轉換  
Chien-An Chen<sup>1</sup>, Jer-Ming Chang<sup>2</sup>, Hung-Chun Chen<sup>2</sup>, Eddy-Essen Chang<sup>2</sup>  
陳建安<sup>1</sup>, 張哲銘<sup>2</sup>, 陳鴻鈞<sup>2</sup>, 張一旋<sup>2</sup>  
<sup>1</sup>Department of Nephrology, Tainan Sinlau Hospital, Tainan, Taiwan; <sup>2</sup>Department of Nephrology, Kaohsiung Medical University Hospital, Kaohsiung, Taiwan  
<sup>1</sup>台南新樓醫院腎臟科, 台南, 台灣; <sup>2</sup>高雄醫學大學腎臟科, 高雄, 台灣
- B005** SGLT2 inhibitors ameliorate diabetic nephropathy by inhibiting GCLM-mediated oxidative stress and subsequent ferroptosis in proximal tubules  
SGLT2 抑制劑透過抑制 GCLM 介導的近端腎小管氧化壓力和鐵死亡來改善糖尿病腎病變  
Yi-Chun Tsai<sup>1</sup>, Jiun-Chi Huang<sup>1</sup>, Ping-Shaou Yu<sup>1</sup>, Mei-Chuan Kuo<sup>1</sup>, Ya-Ling Hsu<sup>2</sup>  
<sup>1</sup>蔡宜純, <sup>1</sup>黃俊祺, <sup>1</sup>余品劭, <sup>1</sup>郭美娟, <sup>2</sup>許雅玲  
<sup>1</sup> Division of Nephrology, Kaohsiung Medical University Hospital, <sup>2</sup>Graduate Institute of Medicine, Kaohsiung Medical University, Kaohsiung, Taiwan  
<sup>1</sup>高雄醫學大學附設中和紀念醫院 腎臟內科 <sup>2</sup>高雄醫學大學醫學研究所

- B006** High glucose and advanced glycation end products may induce renal fibrosis via regulation of NR4A1 and FUBP1  
高葡萄糖與糖化終產物可能透過調控 NR4A1 和 FUBP1 誘發腎纖維化  
Tzu-Hsuan Yeh<sup>1</sup>, Wei-Chih Kan<sup>1, 2</sup>, Hsiao-Tung Lin<sup>3</sup>, Yi-Hsuan Tsai<sup>3</sup>, Yun-Ting Huang<sup>1</sup>, I-Ning Yang<sup>1</sup>, Jui-Yi Chen<sup>1</sup>, Chih-Chiang Chien<sup>1</sup>, Chia-Chun Wu<sup>1</sup>, Ming-Yan Jiang<sup>1</sup>, Yu-Chi Kou<sup>1</sup>, Jyh-Chang Hwang<sup>1</sup>, Hsien-Yi Wang<sup>1</sup>, and Jau-Shyang Huang<sup>2</sup>  
葉子瑄<sup>1</sup>, 甘偉志<sup>1, 2</sup>, 林筱彤<sup>3</sup>, 蔡乙萱<sup>3</sup>, 黃筠婷<sup>1</sup>, 楊翼寧<sup>1</sup>, 陳銳溢<sup>1</sup>, 簡志強<sup>1</sup>, 吳佳純<sup>1</sup>,  
江銘彥<sup>1</sup>, 黃志強<sup>1</sup>, 王憲奕<sup>1</sup>, 黃昭祥<sup>2</sup>  
<sup>1</sup> Division of Nephrology, Department of Internal Medicine, Chi-Mei Medical Center  
<sup>2</sup> Department of Medical Laboratory Science and Biotechnology, Chung Hwa University of Medical Technology  
<sup>3</sup> Department of Biological Science and Technology, Chung Hwa University of Medical Technology  
<sup>1</sup> 奇美醫學中心腎臟內科, <sup>2</sup> 中華醫事科技大學醫學檢驗生物技術系, <sup>3</sup> 中華醫事科技大學生物科技系
- B007** To study the role on Klotho-mediated AKT/Nrf2 pathway in protecting Indoxyl sulfate-mediated HK-2 cells damage  
Klotho 蛋白所調節 AKT/Nrf2 路徑於保護吡啶酚硫酸鹽造成近曲腎小管細胞受損機轉探討  
C-Y Sun<sup>1</sup>, K-L Tsai<sup>2</sup>, and Y-T Chang<sup>3</sup>  
孫健耀<sup>1</sup>, 蔡昆霖<sup>2</sup>, 張育誌<sup>1</sup>  
<sup>1</sup> Department of Geriatric and Gerontology, National Cheng Kung University Hospital, College of Medicine, National Cheng Kung University, Tainan, Taiwan, <sup>2</sup> Department of Physical Therapy, College of Medicine, National Cheng Kung University, Tainan 704, Taiwan, <sup>3</sup> Department of Internal Medicine, National Cheng Kung University Hospital, College of Medicine, National Cheng Kung University, Tainan, Taiwan  
<sup>1</sup> 成大醫院高齡醫學部, <sup>2</sup> 成大醫學院物理治療系, <sup>3</sup> 成大醫院內科部
- B008** Indoxyl Sulfate Diminishes Renal Hydrogen Sulfide production in Chronic Kidney Disease Rats  
Ming-Chieh Ma<sup>1</sup>, Kuo-Cheng Lu<sup>2</sup>, Chien-Lin Lu<sup>1</sup>  
<sup>1</sup> Division of Nephrology, School of Medicine, Fu Jen Catholic University Hospital, Fu Jen Catholic University, New Taipei City, Taiwan  
<sup>2</sup> Division of Nephrology, Department of Medicine, Taipei Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation, New Taipei City, Taiwan

- B009** Mechanism of  $\alpha$ -Mangostin on Modulating Renal Fibrogenesis through the Erk-Mediated Singaling Pathway  
Li-Yuan Kuo<sup>1</sup>, Yi-Hsien Hsieh<sup>2,3</sup>, Jen-Pi Tsai<sup>1,4,\*</sup>  
郭力元<sup>1</sup>, 謝逸憲<sup>2,3</sup>, 蔡任弼<sup>1,4,\*</sup>  
<sup>1</sup>Division of Nephrology, Department of Internal Medicine, Dalin Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation, Chiayi, Taiwan  
<sup>2</sup>Institute of Medicine, Chung Shan Medical University, Taichung, Taiwan  
<sup>3</sup>Department of Medical Research, Chung Shan Medical University Hospital, Taichung, Taiwan  
<sup>4</sup>School of Medicine, Tzu Chi University, Hualien, Taiwan  
<sup>1</sup> 佛教慈濟醫療財團法人大林慈濟醫院腎臟內科, <sup>2</sup> 中山醫學大學醫學研究所, <sup>3</sup> 中山醫學大學醫學研究部, <sup>4</sup> 慈濟醫學大學醫學系
- B010** Mechanism of Anti-Fibrotic Effects of Ellagic Acid by Modulating Epithelial-Mesenchymal Transition  
Po-Yu Huang<sup>1</sup>, Yi-Hsien Hsieh<sup>2,3</sup>, Jen-Pi Tsai<sup>1,4,\*</sup>  
黃柏諭<sup>1</sup>, 謝逸憲<sup>2,3</sup>, 蔡任弼<sup>1,4,\*</sup>  
<sup>1</sup>Division of Nephrology, Department of Internal Medicine, Dalin Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation, Chiayi, Taiwan  
<sup>2</sup>Institute of Medicine, Chung Shan Medical University, Taichung, Taiwan  
<sup>3</sup>Department of Medical Research, Chung Shan Medical University Hospital, Taichung, Taiwan  
<sup>4</sup>School of Medicine, Tzu Chi University, Hualien, Taiwan  
<sup>1</sup> 佛教慈濟醫療財團法人大林慈濟醫院腎臟內科, <sup>2</sup> 中山醫學大學醫學研究所, <sup>3</sup> 中山醫學大學醫學研究部, <sup>4</sup> 慈濟醫學大學醫學系
- B011** Protective effects of phillygenin on pyroptosis-induced renal injury and fibrosis in vitro and in vivo.  
Yu-Syuan Chen<sup>1</sup>, Cheng-Tien Wu<sup>1,2,\*</sup>, Huey-Liang kuo<sup>3,4,5\*</sup>  
<sup>1</sup> Department of Nutrition, China Medical University, Taichung, Taiwan.  
<sup>2</sup> Master Program of Food and Drug Safety, China Medical University, Taichung, Taiwan.  
<sup>3</sup> School of Medicine, China Medical University  
<sup>4</sup> Division of Nephrology, Department of Internal Medicine, China Medical University Hospital, Taichung, Taiwan.  
<sup>5</sup> Clinical nutrition, China Medical University Hospital
- B012** Comparison of cardiovascular outcomes of Febuxostat and Allopurinol usage in patients with Diabetes Mellitus and Chronic kidney disease  
比較使用黃嘌呤氧化酶抑制劑和別嘌醇在慢性腎臟病和糖尿病病人的臨床結果  
Ming Wang, Hsin Hsiang Huang, Yu-Wei Fang, Ming-Hsien Tsai,  
王鳴, 黃新翔, 蔡明憲, 方昱偉  
Division of Nephrology, Department of Internal Medicine, Shin-Kong Wu Ho-Su Memorial Hospital, Taipei, Taiwan,  
新光醫療財團法人新光吳火獅紀念醫院內科部腎臟科

- B013** Inflammation Induces Renal Osteogenesis and Calcification through ERK Signaling Pathway  
發炎透過 ERK 訊息傳遞途徑促進腎臟細胞成骨化與鈣化  
Hsing-I Tseng<sup>1,3</sup>, Jun-Ting Lin<sup>1,3</sup>, Yin-Pei Chen<sup>1,3</sup>, Yen-Chin Lu<sup>1,3</sup>, Yi-Shiou Tseng<sup>1,2,4</sup>  
曾馨儀<sup>1,3</sup>, 林俊廷<sup>1,3</sup>, 陳吟佩<sup>1,3</sup>, 盧艷金<sup>1,3</sup>, 曾一修<sup>1,2,4</sup>  
Divisions of Traumatology<sup>1</sup> and Urology<sup>2</sup>, Far Eastern Memorial Hospital. Department of Medical Research<sup>3</sup>, Far Eastern Memorial Hospital. Graduate Institute of Medicine, Yuan Ze University<sup>4</sup>  
亞東紀念醫院外科部創傷科<sup>1</sup>與泌尿科<sup>2</sup>, 亞東紀念醫院醫學研究部<sup>3</sup>, 元智大學醫學研究所<sup>4</sup>
- B014** TNF- $\alpha$  increases calcium oxalate stone formation in rat kidneys by inducing crystal adhesion proteins  
TNF- $\alpha$  透過誘導結晶黏附蛋白來增加大鼠腎臟中草酸鈣結石的形成  
Jun-Ting Lin<sup>1,3</sup>, Hsing-I Tseng<sup>1,3</sup>, Yin-Pei Chen<sup>1,3</sup>, Yen-Chin Lu<sup>1,3</sup>, Yi-Shiou Tseng<sup>1,2,4</sup>  
林俊廷<sup>1,3</sup>, 曾馨儀<sup>1,3</sup>, 陳吟佩<sup>1,3</sup>, 盧艷金<sup>1,3</sup>, 曾一修<sup>1,2,4</sup>  
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- B015** Glycated Tamm-Horsfall protein of diabetic kidney disease patients decrease the function on crystal aggregation inhibition  
糖尿病腎病變患者的 Tamm-Horsfall 蛋白糖化會降低對晶體聚集抑制的功能  
Yen-Chin Lu<sup>1,3</sup>, Jun-Ting Lin<sup>1,3</sup>, Hsing-I Tseng<sup>1,3</sup>, Yin-Pei Chen<sup>1,3</sup>, Yi-Shiou Tseng<sup>1,2,4</sup>  
盧艷金<sup>1,3</sup>, 林俊廷<sup>1,3</sup>, 曾馨儀<sup>1,3</sup>, 陳吟佩<sup>1,3</sup>, 曾一修<sup>1,2,4</sup>  
Divisions of Traumatology<sup>1</sup> and Urology<sup>2</sup>, Far Eastern Memorial Hospital. Department of Medical Research<sup>3</sup>, Far Eastern Memorial Hospital, Graduate Institute of Medicine, Yuan Ze University<sup>4</sup>  
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- B016** Breast Cancer cells secreted proteins advance in macrophages infiltration and inflammation in kidney of breast cancer mice  
乳癌 胞分泌之蛋白質促進乳癌小鼠腎臟之巨噬 胞浸潤和發炎反應  
Lu-Heng Lu<sup>1,2,3</sup>, Seng-Wen Niu<sup>1,2,3,4</sup>, Chi-Chih Hung<sup>1,2,3,5</sup>, Hung-Chun Chen<sup>1,2,3,5</sup>  
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- B017** Salinomycin Attenuates Kidney Fibrosis and Inflammation in Mice with Unilateral Ureteral Obstruction  
鹽黴素減輕單側輸尿管阻塞小鼠的腎臟纖維化和炎症  
Kuan-Hsing Chen<sup>1</sup>, Hsiang-Hao Hsu<sup>2</sup>, Yi-Ching Ko<sup>3</sup>, Cheng-Chieh Hung<sup>4\*</sup>  
陳冠興<sup>1</sup>, 許翔皓<sup>2</sup>, 葛依青<sup>3</sup>, 洪振傑<sup>4\*</sup>  
Kidney Research Center, Chang Gung Memorial Hospital, Chang Gung University, School of Medicine, Taoyuan, Taiwan  
長庚腎臟醫學研究中心
- B018** S-Nitrosylation of Tissue Transglutaminase in Modulating Glycolysis, Oxidative Stress, and Inflammatory Responses in Normal and Indoxyl-Sulfate-Induced Endothelial Cells  
組織轉谷氨酰胺酶的 S-亞硝基化調節正常和硫酸吲哚誘導的內皮細胞的糖酵解、氧化壓力和發炎反應  
Cheng-Jui Lin<sup>1,2,3</sup>, Hong-Mou Shih<sup>1</sup>, Chun Yu Chiu<sup>4</sup>, En-Chih Liao<sup>4</sup>, Chih-Jen Wu<sup>1,2,3</sup>, Ching-Hu Chung<sup>2</sup> and Thung-S. Lai<sup>4</sup>  
林承叡<sup>1,2,3</sup>, 施宏謀<sup>1</sup>, 邱俊佑<sup>4</sup>, 廖恩慈<sup>4</sup>, 吳志仁<sup>1,2</sup>, 鍾鏡湖<sup>2</sup>, 賴宗聖<sup>4</sup>  
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<sup>3</sup>Mackay Junior College of Medicine, Nursing and Management, Taipei, Taiwan.  
<sup>4</sup>Institute of Biomedical Sciences, Mackay Medical College, New Taipei, Taiwan  
馬偕紀念醫院 腎臟內科<sup>1</sup>, 馬偕護理專科學校<sup>2</sup>, 馬偕醫學院 醫學系<sup>3</sup>
- B019** IXA4, a selective XBP1s inducer, ameliorates AKI to CKD-related renal fibrosis  
Wen-I Chen<sup>1</sup>, Jia-Huang Chen<sup>1</sup>, Tsai-Chen Chiang<sup>1</sup>, Shao-Yu Yang<sup>2</sup>, Jenq-Wen Huang<sup>2</sup>, Chih-Kang Chiang<sup>1,2,3</sup>, Kuan-Yu Hung<sup>3</sup>  
<sup>1</sup>Graduate Institute of Toxicology, College of Medicine, National Taiwan University (NTU)  
<sup>2</sup>Division of Nephrology, Department of Internal Medicine, NTU Hospital  
<sup>3</sup>Division of Blood purification, Department of Integrated Diagnostics & Therapeutics, NTU Hospital
- B020** RNAseq of Microdissected CCDs Revealing Early Signaling Mediating the Loss of Aquaporin 2 after K<sup>+</sup> Deprivation  
宋志建<sup>1</sup>, 張欣儀<sup>2</sup>, 陳敏修<sup>1</sup>, 羅以筑<sup>1</sup>, 許育瑞<sup>1</sup>, 林石化<sup>1</sup>  
Chih-Chien Sung<sup>1</sup>, Hsin-Yi Chang<sup>2</sup>, Min-Hsiu Chen<sup>1</sup>, Yii-Jwu Lo<sup>1</sup>, Yu-Juei Hsu<sup>1</sup>, Shih-Hua Lin<sup>1</sup>  
<sup>1</sup>三軍總醫院 腎臟內科 <sup>2</sup>國防醫學院 醫學科學研究所  
<sup>1</sup>Division of Nephrology, Tri-Service General Hospital, National Defense Medical Center; <sup>2</sup> Graduate Institute of Medical Science, National Defense Medical Center



- B021** Activated state of ESKD patient T cells induced by soluble interleukin-15  
介白素 15 誘發末期腎臟病人 T 細胞之活化狀態  
Kai-Hsiang Shu<sup>1,5</sup>, I-Yu Chen<sup>1</sup>, Hsiu-Jung Liao<sup>2</sup>, Yen-Ling Chiu<sup>1,2,3,4</sup>  
徐愷翔<sup>1,5</sup>, 陳一攸<sup>1</sup>, 廖秀蓉<sup>2</sup>, 邱彥霖<sup>1,2,3,4</sup>  
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- B022** Mechanisms of Licochalcone A on Suppressing Renal Cell Carcinoma By Modulating Sp1-Mediated Lc3 Expression  
Po-Yu Huang<sup>1</sup>, Yi-Hsien Hsieh<sup>2,3</sup>, Jen-Pi Tsai<sup>1,4,\*</sup>  
黃柏諭<sup>1</sup>, 謝逸憲<sup>2,3</sup>, 蔡任弼<sup>4,5,\*</sup>  
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- B023** Mechanism of Corosolic Acid on Suppress Metastasis Of Human Renal Cancer Cell By Targeting Erk/Mmp-9 Expression  
Po-Yu Huang<sup>1</sup>, Yi-Hsien Hsieh<sup>2,3</sup>, Jen-Pi Tsai<sup>1,4,\*</sup>  
黃柏諭<sup>1</sup>, 謝逸憲<sup>2,3</sup>, 蔡任弼<sup>4,5,\*</sup>  
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<sup>1</sup> 佛教慈濟醫療財團法人大林慈濟醫院醫學內科部, <sup>2</sup> 佛教慈濟醫療財團法人大林慈濟醫院腎臟內科, <sup>3</sup> 中山醫學大學醫學研究所, <sup>4</sup> 中山醫學大學醫學研究部, <sup>5</sup> 慈濟醫學大學醫學系

- B024** The anti-cancer effect of two-drug combination regimens in bladder cancer cell lines  
抗癌藥物聯合療法在膀胱癌細胞株的藥效分析  
Shou-Chieh Wang<sup>1</sup>, Yi-Wen Liu<sup>2</sup>, Jin-Yi Wu<sup>2</sup>, Hsin-Ting Liu<sup>2</sup>  
王守玠<sup>1</sup>, 劉怡文<sup>2</sup>, 吳進益<sup>2</sup>, 劉欣婷<sup>2</sup>  
<sup>1</sup>Division of Nephrology, Kuang Tien General Hospital <sup>2</sup>Department of Microbiology, Immunology and Biopharmaceuticals, National Chiayi University  
<sup>1</sup> 沙鹿光田醫院 腎臟科, <sup>2</sup> 國立嘉義大學 微生物免疫與生物藥學系
- B025** Molecular characterization of colistin-nonsusceptible *Klebsiella pneumoniae* isolates in a tertiary teaching hospital  
粘菌素不敏感性肺炎克雷白氏菌分離株的分子特徵：南臺灣醫學中心的世代追蹤性研究  
Wei-Ren Lin<sup>1</sup>, Ming-Cheng Wang<sup>1,2</sup>, Te-Hui Kuo<sup>1</sup>, Jo-Yen Chao<sup>1</sup>, Cheng-Yen Kao<sup>3</sup>, Chin-Chung Tseng<sup>1</sup>, Wei-Hung Lin<sup>1</sup>  
林威任, 王明誠, 郭德輝, 趙若雁, 高正彥, 曾進忠, 林威宏  
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## 臨床研究組壁報發表 Clinical Poster

Clinical-Abstract Topic	No.
Acute Kidney Injury and Critical Care Nephrology	C001-C017
Glomerular Diseases	C018-C021
Chronic Kidney Disease	C022-C069
Electrolyte, Acid-Base, and Hypertension	C070
Anemia, CKD-MBD, Nutrition, and Metabolism	C071-C087
Hemodialysis	C088-C174
Peritoneal Dialysis and Telehealth	C175-C204
Kidney Transplantation and Regeneration	C205-C207
Pediatric, Geriatric, Hospice, and Other Nephrology	C208-C210
Infection Control and Vaccination in Kidney Diseases	C211-C222
Toxin-related and Environmental Kidney Diseases	C223-C226
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### 【Clinical】

#### Acute Kidney Injury and Critical Care Nephrology

C001-C017 Chair(s): 黃道民 / Tao-Min Huang、張智翔 / Chih-Hsiang Chang

- C001** Perioperative alternation of Kinetic Estimated Glomerular Filtration Rate (KeGFR) affecting postoperative complications within **30** days following craniotomy for primary malignant brain tumors  
Yao-Chung Yang<sup>1</sup> and Jin Shuen Chen<sup>2</sup>  
Division of Neurosurgery, Department of Surgery, Kaohsiung Veterans General Hospital, Kaohsiung, Taiwan<sup>1</sup>  
Department of Administration, Kaohsiung Veterans General Hospital, Kaohsiung, Taiwan<sup>2</sup>
- C002** Characteristics of Acute Kidney Injury among Patients Receiving Aerosolized Colimycin Therapy  
Hung-Ju Fan<sup>1</sup>, Shu-Chuan Tai<sup>2</sup>, Wen-Sheng Liu<sup>3,4,5</sup>, Yi-Hsin Chou<sup>3,4</sup>  
<sup>1</sup>Department of Nursing, Taipei City Hospital Zhongxing Branch  
<sup>2</sup>Infection Control Center, Taipei City Hospital Zhongxing Branch  
<sup>3</sup>Division of Nephrology, Taipei City Hospital Zhongxing Branch  
<sup>4</sup>School of Medicine, National Yang Ming Chiao Tung University  
<sup>5</sup>College of Science and Engineering, Fu Jen Catholic University

- C003** The current status of receiving AKD case management for inpatients after recovering from dialysis-requiring AKI  
AKI 的透析住院病人康復後接受 AKD 個案管理的現狀  
Hsou-Li Chu<sup>1</sup>, Chih-Ying Huang<sup>1</sup>, Pei-Lin Lin<sup>1</sup>, Chun-Chieh Tsai<sup>2</sup>, Ping-Feng Chiu<sup>2</sup>, Chew-Teng Kor<sup>3</sup>  
朱秀麗<sup>1</sup>, 黃智英<sup>1</sup>, 林沛伶<sup>1</sup>, 蔡俊傑<sup>2</sup>, 邱炳芳<sup>2</sup>, 許秋婷<sup>3</sup>  
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<sup>3</sup>彰化基督教醫院大數據中心
- C004** Efficacy of reduced exposure to NSAIDs use in patient with chronic kidney disease  
慢性腎臟病人 NSAIDs 用藥安全措施之成效  
Li-Fang Lai<sup>1</sup>, Chih-Ying Huang<sup>1</sup>, Chun-Chieh Tsai<sup>2</sup>, Ping-Feng Chiu<sup>2</sup>, Chew-Teng Kor<sup>3</sup>  
賴麗芳<sup>1</sup>, 黃智英<sup>1</sup>, 蔡俊傑<sup>2</sup>, 邱炳芳<sup>2</sup>, 許秋婷<sup>3</sup>  
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<sup>3</sup>彰化基督教醫院大數據中心
- C005** Reduce the incidence of CRRT machine alarms  
降低 CRRT 警報異常發生率  
Pei-Ching Kao, I-Chen Hung, Fan-Ci Ting, Shu-Fen Su, Ching-I Yu, Terry Ting-Yu Chiou, Wen-Chin Lee  
高佩菁, 洪以貞, 丁凡棋, 蘇淑芬, 俞靜儀, 邱鼎育, 李文欽  
Hemodialysis Unit, Division of Nephrology, Department of Internal Medicine, Kaohsiung Chang Gung Memorial Hospital  
高雄長庚紀念醫院 內科部 腎臟科 血液透析室
- C006** Serum DcR3 as a New Predictor of Renal Outcomes in Patients With Sepsis-Associated Acute Kidney Injury  
利用血清 DcR3 預測敗血症相關急性腎損傷病人的腎功能預後  
Kuo-Hua Lee, Ming-Tsun Tsai, Shuo-Ming Ou, Wei-Cheng Tseng, Yao-Ping Lin, Der-Cherng Tarn  
李國華, 蔡明村, 歐朔銘, 曾偉誠, 林堯彬, 唐德成  
Taipei Veterans General Hospital  
臺北榮民總醫院

- C007** Clinical Characteristics of Urinary Bladder Rupture: An Eleven-Year Retrospective Analysis from Far Eastern Memorial Hospital  
膀胱破裂的臨床特徵：亞東紀念醫院的十一年回顧分析  
Chia-Yun Cheng, Wan-Chuan Tsai  
鄭佳芸, 蔡萬全  
亞東紀念醫院內科部腎臟科
- C008** Introducing smart warnings to improve the effectiveness of care for patients with acute kidney injury  
導入智慧化警示提升急性腎損傷病人照護成效  
Fang Lieng Yeh  
葉芳伶  
Tri-Service General Hospital Nephrology Department  
三軍總醫院腎臟科
- C009** Hepatorenal syndrome-acute kidney injury in patients with liver cirrhosis admitted to intensive care units  
肝腎症候群之急性腎損傷對加護病房內的肝硬化患者的影響  
Yi-Ran Tu<sup>1\*</sup>, Pei-Yi Fan<sup>1,2</sup>, Cheng-Chia Lee<sup>1</sup>, Ya-Chung Tian<sup>1</sup>, Ji-Tseng Fang<sup>1</sup>, Yung-Chang Chen<sup>1</sup>, Chih-Hsiang Chang<sup>1</sup>  
塗貽然<sup>1</sup>, 范珮宜<sup>1,2</sup>, 李承家<sup>1</sup>, 田亞中<sup>1</sup>, 方基存<sup>1</sup>, 陳永昌<sup>1</sup>, 張智翔<sup>1</sup>  
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<sup>1</sup> 林口長庚醫院腎臟科, <sup>2</sup> 新北市立土城醫院腎臟科
- C010** Outcomes associated with immune checkpoint inhibitors related adverse kidney events: a systemic review and meta-analysis  
免疫檢查點抑制劑引起之腎臟不良事件的預後：系統性文獻回顧與統合分析  
Ching-Chun Su<sup>1</sup>, Tzu-Hsuan Yeh<sup>1</sup>, Chiu-Ying Hsiao<sup>1</sup>, Min-Hsiang Chuang<sup>1</sup>, Wei-Chih, Kan<sup>1</sup>, Hsien-Yi Wang<sup>1</sup>, Jui-Yi Chen<sup>1</sup>  
蘇靜君<sup>1</sup>, 葉子瑄<sup>1</sup>, 蕭秋穎<sup>1</sup>, 莊閱翔<sup>1</sup>, 甘偉志<sup>1</sup>, 王憲奕<sup>1</sup>, 陳銳溢<sup>1</sup>  
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<sup>1</sup> 奇美醫院內科部腎臟科

**C011** Impact of Pre-discharge Acute Kidney Disease Recovery Status on One-Year Post Discharge Recurrent Acute Kidney Disease Occurrence

探討出院前急性腎疾病之恢復狀態對於於出院後一年內再次發生住院中急性腎疾病之影響

Chia-Chun Lee<sup>1</sup>, Kuan-Hung Liu<sup>1</sup>, Wei-Ren Lin<sup>1</sup>, Jo-Yen Chao<sup>1</sup>, Chien-Tzu Tseng<sup>1</sup>, Wei-Hung Lin<sup>1</sup>, Te-Hui Kuo<sup>1</sup>, Yu-tzu Chang<sup>1</sup>, An-Bang Wu<sup>1</sup>, Chih-Cheng Hsieh<sup>2</sup>, Ming-Cheng Wang<sup>1</sup>, Junne-Ming Sung<sup>1</sup>, Chin-Chung Tseng<sup>1\*</sup>

李佳駿<sup>1</sup>, 劉冠宏<sup>1</sup>, 林威任<sup>1</sup>, 趙若雁<sup>1</sup>, 曾千慈<sup>1</sup>, 林威宏<sup>1</sup>, 郭德輝<sup>1</sup>, 張育誌<sup>1</sup>, 吳安邦<sup>1</sup>, 謝志成<sup>2</sup>, 王明誠<sup>1</sup>, 宋俊明<sup>1</sup>, 曾進忠<sup>1\*</sup>

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**C012** Renal Events and Mortality in Lung Cancer Patients: A Cohort Study from Southern Taiwan with 4,081 Participants

肺癌患者的腎損傷及死亡率：來自臺灣南部 4,081 名參與者的世代研究

Feng-Ching Shen<sup>1,2</sup>, Chung-Ting Cheng<sup>1,2</sup>, Lu-Heng Lu<sup>1,2</sup>, I-Ching Kuo<sup>1,2,3</sup>, Sheng-Wen Niu<sup>1,2,3</sup>, Hugo Y. -H. Lin<sup>1,2,3</sup>, Szu-Chia Chen<sup>1,2,4</sup>, Chi-Chih Hung<sup>1,2</sup>, Jen-Yu Hung<sup>2,5</sup>, Yi-Wen Chiu<sup>1,2</sup>, Jer-Ming Chang<sup>1,2</sup>, Shang-Jyh Hwang<sup>1,2</sup>

沈峯慶<sup>1,2</sup>, 鄭仲廷<sup>1,2</sup>, 盧律衡<sup>1,2</sup>, 郭宜瑾<sup>1,2,3</sup>, 鈕聖文<sup>1,2,3</sup>, 林祐賢<sup>1,2,3</sup>, 陳思嘉<sup>1,2,4</sup>, 洪啟智<sup>1,2</sup>, 洪仁宇<sup>2,5</sup>, 邱怡文<sup>1,2</sup>, 張哲銘<sup>1,2\*</sup>, 黃尚志<sup>1,2</sup>

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**C013** The impact of acute kidney injury with or without recovery on long-term kidney outcome in patients undergoing living liver transplantation

急性腎損傷恢復與否對活體肝移植患者腎臟的長期影響

Yi-Jung Chen<sup>1</sup>, Ping-Fang Chiu<sup>1,2</sup>, Pei-Ru Lin<sup>3</sup>, Chun-Chieh Tsai<sup>1</sup>, Yao-Peng Hsieh<sup>1,2</sup>

陳奕融<sup>1</sup>, 邱炳芳<sup>1,2</sup>, 林嫻如<sup>3</sup>, 蔡俊傑<sup>1</sup>, 謝堯棚<sup>1,2</sup>

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**C014** Association of Targeted Therapy with Renal Outcomes and Mortality: A Cohort Study in Lung Cancer Patients from a Southern Taiwanese Medical Center  
 肺癌病人接受標靶治療與腎損傷及死亡的關聯性：來自台灣南部醫學中心的世代研究

Chung-Ting Cheng<sup>1,2</sup>, Feng-Ching Shen<sup>1,2</sup>, Lu-Heng Lu<sup>1,2</sup>, I-Ching Kuo<sup>1,2,3</sup>, Sheng-Wen Niu<sup>1,2,3</sup>, Hugo Y. -H. Lin<sup>1,2,3</sup>, Szu-Chia Chen<sup>1,2,4</sup>, Chi-Chih Hung<sup>1,2</sup>, Jen-Yu Hung<sup>2,5</sup>, Yi-Wen Chiu<sup>1,2</sup>, Jer-Ming Chang<sup>1,2\*</sup>, Shang-Jyh Hwang<sup>1,2</sup>  
 鄭仲廷<sup>1,2</sup>, 沈峯慶<sup>1,2</sup>, 盧律衡<sup>1,2</sup>, 郭宜瑾<sup>1,2,3</sup>, 鈕聖文<sup>1,2,3</sup>, 林祐賢<sup>1,2,3</sup>, 陳思嘉<sup>1,2,4</sup>, 洪啟智<sup>1,2</sup>, 洪仁宇<sup>2,5</sup>, 邱怡文<sup>1,2</sup>, 張哲銘<sup>1,2\*</sup>, 黃尚志<sup>1,2</sup>

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**C015** Association of Immunotherapy with Renal Outcomes and Mortality: A Cohort Study in Lung Cancer Patients from a Southern Taiwanese Medical Center  
 肺癌病人接受免疫治療與腎損傷及死亡的關聯性：來自台灣南部醫學中心的世代研究

Lu-Heng Lu<sup>1,2</sup>, Chung-Ting Cheng<sup>1,2</sup>, Feng-Ching Shen<sup>1,2</sup>, I-Ching Kuo<sup>1,2,3</sup>, Sheng-Wen Niu<sup>1,2,3</sup>, Hugo Y. -H. Lin<sup>1,2,3</sup>, Szu-Chia Chen<sup>1,2,4</sup>, Chi-Chih Hung<sup>1,2</sup>, Jen-Yu Hung<sup>2,5</sup>, Yi-Wen Chiu<sup>1,2</sup>, Jer-Ming Chang<sup>1,2\*</sup>, Shang-Jyh Hwang<sup>1,2</sup>  
 盧律衡<sup>1,2</sup>, 鄭仲廷<sup>1,2</sup>, 沈峯慶<sup>1,2</sup>, 郭宜瑾<sup>1,2,3</sup>, 鈕聖文<sup>1,2,3</sup>, 林祐賢<sup>1,2,3</sup>, 陳思嘉<sup>1,2,4</sup>, 洪啟智<sup>1,2</sup>, 洪仁宇<sup>2,5</sup>, 邱怡文<sup>1,2</sup>, 張哲銘<sup>1,2\*</sup>, 黃尚志<sup>1,2</sup>

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- C016** Machine learning algorithm for early prediction of liberation from dialysis in critically ill adults with acute kidney injury  
以機器學習早期預測重症急性腎損傷需透析治療患者之腎功能恢復  
Tsai-Jung Wang<sup>1,2</sup>, Chun-Te Huang<sup>1</sup>, Cheng-Hsu Chen<sup>1</sup>  
王彩融<sup>1,2</sup>, 黃俊德<sup>1</sup>, 陳呈旭<sup>1</sup>  
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<sup>2</sup>Department of Critical Care Medicine, Taichung Veterans General Hospital  
<sup>1</sup> 台中榮總腎臟內科, <sup>2</sup> 台中榮總重症醫學部
- C017** The impact of higher protein provision on continuous kidney replacement therapy  
Keonhwa Kim<sup>1</sup>, Da Seul Huh<sup>1</sup>, Young Youl Hyun<sup>1</sup>, Kyu-Beck Lee<sup>1</sup>, Hyang Kim<sup>1</sup>, Jihyun Yang<sup>1</sup>  
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## Glomerular Diseases

**C018-C021** Chair(s): 黃道民 / Tao-Min Huang、張智翔 / Chih-Hsiang Chang

- C018** Serum IgA/C3 Ratio Predict Progression of IgA Nephropathy: A Retrospective Study  
血清 IgA/C3 比率預測 IgA 腎病變進展：回溯型研究  
Shiao-Yu Chen<sup>1</sup>, Shang-Feng Tsai<sup>1,2,3</sup>, Ming-Ju Wu<sup>1,3</sup>, Cheng-Hsu Chen<sup>1,2,3,4</sup>, Tong-Min Yu<sup>1,4</sup>, Ya-Wen Chuang<sup>1,3</sup>, Hsien-Fu Chiu<sup>1</sup>, Ya-Chin Huang<sup>1</sup>  
陳筱郁<sup>1</sup>, 蔡尚峰<sup>1,2,3</sup>, 吳明儒<sup>1,3</sup>, 陳呈旭<sup>1,2,3,4</sup>, 游棟閔<sup>1,4</sup>, 莊雅雯<sup>1,3</sup>, 邱顯富<sup>1</sup>, 黃雅琴<sup>1</sup>  
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台中榮總腎臟科<sup>1</sup>, 東海大學生命科學<sup>2</sup>, 中興大學學士後西醫<sup>3</sup>, 中國醫藥大學醫學<sup>4</sup>
- C019** The Impact of Mesangial Matrix Deposition on Renal Outcomes in Taiwanese IgA Nephropathy Patients  
病理基質沉積對台灣 IgA 腎病患者的腎臟預後影響  
Jia-Wei Hsu<sup>1</sup>, Cheng-Hsu Chen<sup>1,2,3,4</sup>  
許家瑋<sup>1</sup>, 陳呈旭<sup>1,2,3,4</sup>  
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**C020** Integrative Analysis of mRNA and miRNA Expression in patients with IgA nephropathy

IgA 腎病之 mRNA 與 MiRNA 定序分析

Hsin-Tien Hou<sup>1</sup>, Yu-Juei Hsu<sup>1</sup>, Shun-Neng Hsu<sup>1</sup>, Shih-Hua Lin<sup>1</sup>, Chih-Chien Sung<sup>1</sup>

侯心田<sup>1</sup>, 許育瑞<sup>1</sup>, 許順能<sup>1</sup>, 林石化<sup>1</sup>, 宋志建<sup>1</sup>

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**C021** EXT1/EXT2 and NCAM-1 expression in Taiwan patients with lupus membranous nephropathy

本土第五型狼瘡性腎炎患者其 EXT1/EXT2 及 NCAM-1 抗原表現

Kun-Hua Tu<sup>1,3</sup>, Tsai-Yi Wu<sup>3</sup>, Cheng-Lung Ku<sup>3</sup>, Ji-Tseng Fang<sup>1</sup>, Chi-Wei Yang<sup>1</sup>, Tai-Di Chen<sup>2</sup>

塗昆樺, 吳采蕙, 顧正崙, 方基存, 楊智偉, 陳泰迪

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**Chronic Kidney Disease**

**C022-C024** Chair(s): 黃道民 / Tao-Min Huang、張智翔 / Chih-Hsiang Chang

**C022** Association between Trimethylamine N-oxide and adverse kidney outcomes and all-cause mortality in type 2 diabetes mellitus

第二型糖尿病患者血清氧化三甲胺與腎臟預後及死亡率的關聯性

Ping-Shaou Yu<sup>1,2,3</sup>, Ping-Hsun Wu<sup>1,3</sup>, Ming-Yen Lin<sup>1</sup>, Shang-Jyh Hwang<sup>1,3\*</sup>, Yi-Chun Tsai<sup>1,3,4\*</sup>

余品劭<sup>1</sup>, 吳秉勳<sup>1,3</sup>, 林明彥<sup>1</sup>, 黃尚志<sup>1,3</sup>, 蔡宜純<sup>1,3,4</sup>

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<sup>3</sup> 高雄醫學大學醫學研究所 <sup>4</sup> 高雄醫學大學附設中和紀念醫院一般醫學內科

- C023** Current Status of Diabetes and Early Stage Chronic Kidney Disease Care Integration and Implementation  
糖尿病及初期慢性腎臟病照護整合方案概況分析  
Shu-Li Wang<sup>1</sup>, Tzu-Hui Chen<sup>1</sup>, Lan-Fang Kung<sup>1</sup>, Pei-Ni Hsiao<sup>1</sup>, Shih-Ming Hsiao<sup>1</sup>, Yi-Wen Chiu<sup>2</sup>  
王淑麗<sup>1</sup>, 陳慈徽<sup>1</sup>, 龔蘭芳<sup>1</sup>, 蕭佩妮<sup>1</sup>, 蕭仕敏<sup>1</sup>, 邱怡文<sup>2</sup>  
<sup>1</sup>Department of Nursing, <sup>2</sup>Department of Nephrology, Kaohsiung Medical University Hospital, Kaohsiung Medical University  
<sup>1</sup>高雄醫學大學附設中和紀念醫院護理部 <sup>2</sup>高雄醫學大學附設中和紀念醫院腎臟內科
- C024** Novel Equations Incorporating the Sarcopenia Index Based on Serum Creatinine and Cystatin C Levels to Predict Appendicular Skeletal Muscle Mass in Patients with Nondialysis Chronic Kidney Disease  
納入以血清 Creatinine 及 Cystatin C 為基礎的肌少症指標來建立非透析慢性腎臟病患四肢骨骼肌質量的預測公式  
Bang-Gee Hsu<sup>1,2</sup>, Chih-Hsien Wang<sup>1,2</sup>, Yu-Hsien Lai<sup>1,2</sup>, Chiu-Huang Kuo<sup>1,3</sup>, Yu-Li Lin<sup>1,2</sup>  
徐邦治<sup>1,2</sup>, 王智賢<sup>1,2</sup>, 賴宇軒<sup>1,2</sup>, 郭秋煌<sup>1,3</sup>, 林于立<sup>1,2</sup>  
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<sup>3</sup> 慈濟大學學士後中醫學系
- C025-C048** Chair(s): 孫樵隱 / Chiao-Yin Sun、曾偉誠 / Wei-Cheng Tseng
- C025** Investigation on the current situation of establishing vascular access before dialysis in patients with end-stage renal disease — A Survey from a Medical Center in Southern Taiwan  
末期腎臟病患透析前血管通路建立現況調查 - 以南部某醫學中心為例  
Lan-Fang Kung<sup>1</sup>, Tzu-Hui Chen<sup>1</sup>, Shu-Li Wang<sup>1</sup>, Shih-Ming Hsiao<sup>1</sup>, Pei-Ni Hsiao<sup>1</sup>, Yu-Ying Huang<sup>1</sup>, Mei-Chuan Kuo<sup>2</sup>  
龔蘭芳<sup>1</sup>, 陳慈徽<sup>1</sup>, 王淑麗<sup>1</sup>, 蕭仕敏<sup>1</sup>, 蕭佩妮<sup>1</sup>, 黃玉瑩<sup>1</sup>, 郭美娟<sup>2</sup>  
<sup>1</sup>Department of Nursing, and <sup>2</sup>Department of Nephrology, Kaohsiung Medical University, Kaohsiung Medical University Hospital  
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- C026** Pre-end-stage kidney disease multidisciplinary health education programs improve comprehension about information of living donor kidney transplants: a single medical center experience  
運用多元化的末期腎臟疾病前期之健康教育計畫，提升對活體腎臟移植資訊的理解力：單一醫學中心經驗  
Hsin-Yi Lai<sup>1</sup>, Yung-Ni Lee<sup>1</sup>, Hsin-I Huang<sup>1</sup>, Tsung-Lin Wu<sup>1</sup>, Tung-Yun Tai<sup>1</sup>, Yu-Min Hsiung<sup>1</sup>, Tai-shuan Lai<sup>1</sup>  
賴心怡<sup>1</sup>, 李咏倪<sup>1</sup>, 黃心怡<sup>1</sup>, 吳宗琳<sup>1</sup>, 戴彤芸<sup>1</sup>, 熊育敏<sup>1</sup>, 賴台軒<sup>1</sup>  
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<sup>1</sup>國立臺灣大學醫學院附設醫院內科部
- C027** Effects of multidisciplinary care on the clinical outcomes of patients with chronic kidney disease  
多專科照護對慢性腎臟病人臨床照護結果之影響  
邱美玲<sup>1</sup>, 洪國欽<sup>2</sup>  
<sup>1</sup>敏盛綜合醫院 血液透析室, <sup>2</sup>敏盛綜合醫院 腎臟內科
- C028** 互動式創新教學運用於末期腎臟病治療選擇之衛教成效  
高銀璞<sup>1</sup>, 張鈺豔<sup>1</sup>  
台北市立萬芳醫院<sup>1</sup> 醫務部醫事個管組
- C029** Analysis of the impact of COVID-19 on chronic kidney disease  
分析新冠肺炎對慢性腎臟病的影響  
Chi-Ling Hsu, Ching-Tan Cheng, Yueh-Ting Lee, Shang-Chin Liao, Chien-Te Lee  
許琪聆, 鄭晶丹, 李岳庭, 廖上智, 李建德  
Kaohsiung Municipal Feng Shan Hospital - Under the management of Chang Gung Medical Foundation  
高雄市立鳳山醫院 (委託長庚醫療財團法人經營)
- C030** Interdisciplinary care program reduces the incidence of dialysis in CKD stage 5 patients  
Ya-Lin Huang<sup>1</sup>, Shih-Yuan Hung<sup>1</sup>, Yi-Che Lee<sup>1</sup>, Hsi-Hao Wang<sup>1</sup>, Li-Chun Ho<sup>1</sup>, Po-Jui Chi<sup>2</sup>, Ching-Yang Chen<sup>1</sup>, Yahn-Bor Chen<sup>1</sup>, Ching-Fang Wu<sup>3</sup>, Min-Yu Chang<sup>1</sup>  
<sup>1</sup>Division of Nephrology, E-Da Hospital / I-Shou University  
<sup>2</sup>Division of Nephrology, E-Da Dachang Hospital / I-Shou University  
<sup>3</sup>Division of Nephrology, E-Da Cancer Hospital / I-Shou University

- C031** Exploring the Current Status of Preparing Vascular Access in Hemodialysis Patients  
探討血液透析病人預先建立血管通路之現況  
Li-Ching Chiang<sup>1</sup>, Chih-Ying Huang<sup>1</sup>, Chiao-Chuan Huang<sup>1</sup>, Chun-Chieh Tsai<sup>2</sup>,  
Ping-Feng Chiu<sup>2</sup>, Chew-Teng Koi<sup>3</sup>  
江麗卿<sup>1</sup>, 黃智英<sup>1</sup>, 黃巧鵬<sup>1</sup>, 蔡俊傑<sup>2</sup>, 邱炳芳<sup>2</sup>, 許秋婷<sup>3</sup>  
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Changhua Christian Hospital, <sup>3</sup>Internal Medicine Research Center, Changhua  
Christian Hospital  
<sup>1</sup>彰化基督教醫院慢性腎臟病衛教中心  
<sup>2</sup>彰化基督教醫院腎臟內科 <sup>3</sup>彰化基督教醫院大數據中心
- C032** Case Sharing- Supporting St. Kitts and Nevis, diplomatic allies of Taiwan, in  
establishing Chronic Kidney Disease Care Project  
協助邦交國『聖克里斯多福及尼維斯』建構慢性腎臟病照護計畫經驗分享  
王友仁<sup>1</sup>, 江玲芳<sup>1</sup>, 林秀雯<sup>1</sup>, 鄭士妍<sup>2</sup>, 戴辛翎<sup>1</sup>, 李榮芬<sup>1</sup>, 曾偉誠<sup>3</sup>, 林志慶<sup>3</sup>  
<sup>1</sup>臺北榮民總醫院護理部 <sup>2</sup>輔仁大學醫學院護理系 <sup>3</sup>臺北榮民總醫院腎臟科
- C033** A Woman with Chronic Kidney Disease Presenting Abdominal Pain  
一位慢性腎臟病女性以腹痛做為表現  
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- C034** Decrease serum decorin level associated with aortic stiffness in patients with  
non-dialysis advanced chronic kidney disease stage 4 to 5  
低的血清核心蛋白聚醣濃度跟非透析第四期到第五期慢性腎臟病患者中樞動脈硬  
度有關  
Ho-Hsiang Chang<sup>1</sup>, Chi-Chong Tang<sup>1</sup>, Hung-Hsiang Liou<sup>3</sup>, Bang-Gee Hsu<sup>1,2</sup>  
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- C035** New Development Hemodialysis Versus Peritoneal Dialysis Modality Selection and Care Differences  
 新開發的透析模式選擇工具與護理成效差異比較  
 YR He<sup>1</sup>, YC Hsu<sup>2</sup>, YS Wei<sup>3</sup>, JE Tsai<sup>4</sup>, LJ Wu<sup>5</sup>, HL Tai<sup>6\*</sup>  
 何佑蓉<sup>1</sup>, 徐筠真<sup>2</sup>, 魏毓萱<sup>3</sup>, 蔡嘉恩<sup>4</sup>, 吳媺嘉<sup>5</sup>, 戴辛翎<sup>6\*</sup>  
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- C036** The Impact of Mix Mode of Learning in Dietitian Internship in The Nutrition and Chronic Kidney Disease Workshop  
 以混合式教學指導實習生舉辦慢性腎臟病工作坊之學習成效  
 賴柏宏<sup>1</sup>, 侯玫伊<sup>2</sup>, 黃瑞芳<sup>3</sup>  
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- C037** Result of Information System Optimization in Renal Biopsy SDM- Experience in a Medical Center in Southern Taiwan  
 優化資訊系統應用於腎臟切片檢查 SDM 推動成效 - 以南部某醫學中心為例  
 Yu-Chen Kuo<sup>1</sup>, Sheng-Ju Chiang<sup>1</sup>, Shiu-feng Liu<sup>1</sup>, Mei-Hong Chen<sup>1</sup>, Wang-Ju Yang<sup>1</sup>, An-Bang Wu<sup>2</sup>  
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- C038** Effectiveness of End-Stage Renal Disease Management in Regional Teaching Hospital  
 王麗萍<sup>1</sup>, 楊靜薇<sup>1</sup>, 陳姿樺<sup>1</sup>, 黃慧娟<sup>1</sup>, 黃筠婷<sup>2</sup>, 王弘偉<sup>2</sup>, 郭育淇<sup>2</sup>  
 奇美醫療財團法人佳里奇美醫院<sup>1</sup> 護理部, <sup>2</sup> 腎臟科
- C039** Proton pump inhibitor use and association with the AKI of chronic kidney disease  
 Chien-huei Huang<sup>1</sup>, Chih-Jung Tsai<sup>2</sup>, Chien-Chou Su<sup>3</sup>, Chi-Tai Yen<sup>4</sup>, Ju-Ling Chen<sup>1,2</sup>, Ching-Lan Cheng<sup>1,2</sup>  
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- C040** Renal Outcomes of Combination Therapy with Sodium-glucose Cotransporter 2 Inhibitors and Renin-Angiotensin System Blockers in Patients with Type 2 Diabetes Mellitus  
在第二型糖尿病患者中，鈉葡萄糖共同輸送器 2 抑制劑與腎素 - 血管收縮素系統阻滯劑的聯合治療對腎臟結果的影響  
Ying-chun Lee<sup>1</sup>, Ming-Hsien Tsai<sup>1</sup>, Yu-Wei Fang<sup>2</sup>  
李迎春<sup>1</sup>, 蔡明憲<sup>1</sup>, 方昱偉<sup>2</sup>  
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- C041** The Efficacy of Using Music Therapy to Improve Anxiety in Renal Biopsy Patients  
透過音樂治療改善腎臟切片病人焦慮之成效  
Wang, H. H.<sup>1</sup>, Sun, W. N.<sup>2</sup>  
王惠新<sup>1</sup>, 孫婉娜<sup>2</sup>  
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- C042** Effects of the Foot Comfort Care on Sleep in Patients with End-stage Renal Disease  
探討足部舒適護理於末期腎臟疾病病人睡眠之影響成效  
Shu-Hua Pan<sup>1,3</sup>, Chih-Chien Sung<sup>2</sup>, Hsiang-Yun Lan<sup>3</sup>  
潘淑華<sup>1,3</sup>, 宋志建<sup>2</sup>, 藍湘勻<sup>3</sup>  
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- C043** A Project to Promote the Urea Reduction Ratio in Hemodialysis Patients  
提升血液透析病人尿素氮清除率專案  
Hsiang-Hui Chiu<sup>1,3,4</sup>, Ling-Fu Huang<sup>2,3</sup>, Tzu-Ting Lin<sup>1,3</sup>, Han-Wen Yang<sup>1,3</sup>, Chin-Feng Lu<sup>1,3</sup>, Pu-Hung Hsiao<sup>1,3</sup>  
邱湘惠<sup>1,2,4</sup>, 黃鈴富<sup>3,4</sup>, 林姿廷<sup>2,4</sup>, 楊涵雯<sup>2,4</sup>, 呂金鳳<sup>2,4</sup>, 陳季筠<sup>2,4</sup>, 蕭普鴻<sup>2,4</sup>  
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- C044** Factors Associated with Faster residual Renal Function decline in pre-ESRD patients  
探討影響末期腎臟病前期之病人殘餘腎功能較快速惡化的因子  
Yi-Ling Chang<sup>1</sup>, Yun-Ting Huang<sup>2</sup>, Hui-Hsuan Huang<sup>1</sup>, Hsien-Yi Wang<sup>2</sup>, Wei-Chih Kan<sup>2</sup>  
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張意鈴<sup>1</sup>, 黃筠婷<sup>2</sup>, 黃惠暄<sup>1</sup>, 王憲奕<sup>2</sup>, 甘偉志<sup>2</sup>, 簡志強<sup>2</sup>, 吳佳純<sup>2</sup>, 江銘彥<sup>2</sup>, 陳銳溢<sup>2</sup>, 楊翼寧<sup>2</sup>, 黃志強<sup>2</sup>  
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- C045** A Pharmacokinetic Study of Polymyxin B in Healthy Subjects and Subjects with Renal Insufficiency  
健康受試者和腎功能不全受試者的多黏菌素 B 藥物動力學研究  
Hsin Ming-Hsien Tsai, Yu-Wei Fang  
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- C046** Plasma selenium and zinc could reverse kidney damage from nephrotoxic metals in chronic kidney disease  
血中硒和鋅能逆轉慢性腎臟病人因腎毒性金屬所導致之腎損傷  
Cheng-Jui Lin<sup>1,2,3</sup>, Tzu-Ying Chen<sup>1</sup>, Hong-Mou Shih<sup>1</sup>, Pei-Chen Wu<sup>1</sup>, Chi-Feng Pan<sup>1</sup>, and Chih-Jen Wu<sup>1,2</sup>  
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- C047** Optimal assessment of osteoporosis using dual-energy X-ray absorptiometry in patients with kidney disease  
運用雙能量 X 光骨質密度吸收測量儀對腎病患者進行骨質疏鬆症的最佳評估  
Chung Ting Cheng<sup>1,2,3</sup>, Po-Chih Shen<sup>1,4,5</sup>, Ping-Hsun Wu<sup>1,2,3,5</sup>  
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- C048** Enhancing the implementation rate of health education for chronic kidney disease through intelligent care systems  
透過智能照護系統提升慢性腎臟病衛教執行率  
王曉菁<sup>1</sup>, 張鈺璉<sup>1</sup>, 高銀璞<sup>1</sup>  
萬芳醫院醫務部醫事組<sup>1</sup>
- C049-C069** Chair(s): 林承叡 / Cheng-Jui Lin、李玟儀 / Wen-Yi Li
- C049** Advancing a Public Welfare Initiative Integrating Chronic Kidney Disease Education, Home Dialysis, and Telemedicine for Comprehensive Care of Rural Kidney Patients  
推動一個結合慢性腎病衛教、居家透析及遠距醫療的公益計畫以完整照護偏鄉腎友  
Chien-Hsiu Liu, Ya-Pei Yu, Ching-I Yu, Chian-Hua Chiou, Ben-Chung Cheng, Terry Ting-Yu Chiou, Wen-Chin Lee  
劉建秀, 游雅珮, 俞靜儀, 邱千華, 鄭本忠, 邱鼎育, 李文欽  
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- C050** Sudoscan Evaluation in Chronic Kidney Disease Patients  
慢性腎臟病患者的催汗試驗評估  
Liang-Te Chiu<sup>1</sup>, Yu-Li Lin<sup>2,3</sup>, Chih-Hsien Wang<sup>2,3</sup>, Chii-Min Hwu<sup>4</sup>, Hung-Hsiang Liou<sup>5</sup>, and Bang-Gee Hsu<sup>2,3\*</sup>  
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- C051** The protective effect of sacubitril/valsartan on ischemic stroke in early chronic kidney disease and normal renal function patient  
血管張力素受體 - 腦啡肽酶抑制劑在初期慢性腎臟病患者及正常腎功能病人中的中風保護效果  
陳逸安<sup>1,4</sup>, 歐朔銘<sup>1,2,3#</sup>, 林志慶<sup>1,2</sup>, 唐德成<sup>1,2</sup>  
Yee-An Chen<sup>1,4</sup>, Shuo-Ming Ou<sup>1,2,3#</sup>, Chih-Ching Lin<sup>1,2</sup>, Der-Cherng Tarn<sup>1,2</sup>  
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- C052** Exploring the differences in health literacy among chronic kidney disease patients with different decision-making role preferences  
探討慢性腎臟病病人不同決策角色偏好之健康識能差異  
Pei-Ni Hsiao<sup>1</sup>, Shih-Ming Hsiao<sup>1</sup>, Mei-Chuan Kuo<sup>2</sup>, Shang-Jyh Hwang<sup>2</sup>, Yi-Wen Chiu<sup>2</sup>, Chia-Lun Lee<sup>1</sup>  
蕭佩妮<sup>1</sup>, 蕭仕敏<sup>1</sup>, 郭美娟<sup>3</sup>, 黃尚志<sup>3</sup>, 邱怡文<sup>3</sup>, 李佳倫<sup>1</sup>  
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- C053** Evaluating the effectiveness of pre-ESRD care and education program for patients with advanced CKD  
提升末期腎臟病前期個案照護與衛教計畫成效探討  
Ling Juang, Fang Lieng Yeh, Ya Ling Chen  
姜菱, 葉芳伶, 陳雅玲  
Tri-Service General Hospital Nephrology  
三軍總醫院腎臟科
- C054** The Correlation between Polypharmacy and Anxiety in Advanced Chronic Kidney Disease.  
慢性腎衰竭病人進入透析前多重用藥及其焦慮程度之相關性  
Yuh-Ru Liu<sup>1</sup>, Li-Ju Chang<sup>1</sup>, Tzu-Chen Lin<sup>2</sup>, Cheng-Lun Chiang<sup>1</sup>, Chih-Yen Hsiao<sup>1</sup>, Chin-Ya Su<sup>1</sup>  
劉育如<sup>1</sup>, 張莉茹<sup>1</sup>, 林慈珍<sup>2</sup>, 江政倫<sup>1</sup>, 蕭志彥<sup>1</sup>, 蘇勤雅<sup>1</sup>  
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- C055** Exploring illness perception in patients with advanced chronic kidney disease  
探討晚期慢性腎臟病人之疾病感知  
Shih-Ming Hsiao<sup>1</sup>, Pei-Ni Hsiao<sup>1</sup>, Mei-Chuan Kuo<sup>2</sup>, Tzu-Hui Chen<sup>1</sup>, Shu-Li Wang<sup>1</sup>, Lan-Fang Kung<sup>1</sup>, Yu-Ying Huang<sup>1</sup>, Shang-Jyh Hwang<sup>2</sup>, Chia-Lun Lee<sup>1\*</sup>  
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- C056** INSIDE CKD: Projecting the Burden of Chronic Kidney Disease in Taiwan between 2022 and 2027  
I-Wen Wu<sup>1</sup>, Mei-Yi Wu<sup>1</sup>, Salvatore Barone<sup>2</sup>, Claudia Cabrera<sup>3</sup>, Juan Jose Garcia Sanchez<sup>4</sup>, Lise Retat<sup>5</sup>, Markiyani Mitchyn<sup>5</sup>, Mai-Szu Wu<sup>1</sup>  
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- C057** Association of non-alcoholic fatty liver disease and liver fibrosis with kidney disease risk  
Ming-Yan Jiang<sup>1</sup>, Yun-Ting Huang<sup>1</sup>, I-Ning Yang<sup>1</sup>, Jui-Yi Chen<sup>1</sup>, Chih-Chiang Chien<sup>1</sup>, Wei-Chih Kan<sup>1</sup>, Jyh-Chang Hwang<sup>1</sup>, Hsien-Yi Wang<sup>1</sup>  
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- C058** Implementing Share Decision Making Program to Reduce Emergent Dialysis with Temporary Catheter : Based on a Medical Center in Northern Taiwan  
運用醫病共享決策降低末期腎臟病患暫時性透析導管使用率：以北部某醫學中心為例  
Hsin-I Huang<sup>1</sup>, Yung-Ni Lee<sup>1</sup>, Hsin-Yi Lai<sup>1</sup>, Tsung-Lin Wu<sup>1</sup>, Yu-Min Hsiung<sup>1</sup>, Tung-Yun Tai<sup>1</sup>, Tai-Shuan Lai<sup>1</sup>  
黃心怡<sup>1</sup>, 李詠倪<sup>1</sup>, 賴心怡<sup>1</sup>, 吳宗琳<sup>1</sup>, 熊育敏<sup>1</sup>, 戴彤芸<sup>1</sup>, 賴台軒<sup>1</sup>  
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<sup>1</sup>國立臺灣大學醫學院附設醫院內科部



- C059** Promote the full launch of the "Kidney Protection Strategy"  
 推動『護腎攻略』全面啟動  
 Mei-ER Hsu<sup>1</sup>, Yi-Hsuan Tsai<sup>2</sup>, Pei-Yu Huang<sup>3</sup>, Tzu-Fei Chen<sup>4</sup>, Pi-Jung Chen<sup>5</sup>, Sheng-Wen Niu<sup>6</sup>  
 徐美娥<sup>1</sup>, 蔡怡萱<sup>2</sup>, 黃沛妤<sup>3</sup>, 陳姿妃<sup>4</sup>, 陳碧蓉<sup>5</sup>, 鈕聖文<sup>6</sup>  
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 高雄市立大同醫院 (委託財團法人高雄醫學大學經營)<sup>1,2,3,4,5</sup> 護理部, <sup>6</sup>腎臟內科
- C060** Removing uremic toxin by oral absorbent with pH-controlled releasing capsule may help improving renal function  
 Tien-Tien Cheng<sup>1\*</sup>, Han-Hsing Tsou<sup>1\*</sup>, Hsiang-Tsui Wang<sup>2</sup>, Wen-Sheng Liu<sup>1,3</sup>  
<sup>1</sup>Institute of Food Safety and Health Risk Assessment, National Yang Ming Chiao Tung University  
<sup>2</sup>Institute of Pharmacology, College of Medicine, National Yang Ming Chiao Tung University  
<sup>3</sup>Nephrology, Zhongxing Branch, Taipei City Hospital  
 Note: \*Tien-Tien Cheng and Han-Hsing Tsou have equal contributions to this article.  
 Authors to whom correspondence should be addressed
- C061** Analysis of Shared Decision-Making in the Choice of Treatment Modalities for End-Stage Renal Disease Patients  
 醫病共享決策對於末期腎病變病人選擇治療模式之分析  
 柯素惠<sup>1</sup>, 高惠雯<sup>1</sup>, 林淑愛<sup>1</sup>, 陳佩盈<sup>1</sup>, 陳麗娟<sup>1</sup>, 郭美祺<sup>1</sup>, 蕭惠萍<sup>1</sup>, 張伊菁<sup>1</sup>, 戴辛翎<sup>1</sup>, 田久芸<sup>1</sup>, 李榮芬<sup>1</sup>, 施瓊玉<sup>1</sup>, 吳美珠<sup>1</sup>, 黎思源<sup>2</sup>, 林志慶<sup>2</sup>  
<sup>1</sup>護理部 臺北榮民總醫院 <sup>2</sup>腎臟科 內科部 臺北榮民總醫院
- C062** Lacto-ovo vegetarian diet mitigated the risk of chronic kidney disease in overweight individuals  
 奶蛋素可減少過重個案罹患慢性腎病之風險  
 Yi-Chou Hou<sup>1</sup>, Jia-Sin Liu<sup>2</sup>, Kuo-Cheng Lu<sup>2</sup>, Ko-Lin Kuo<sup>2,3</sup>  
 侯羿州<sup>1</sup>, 劉佳鑫<sup>2</sup>, 盧國城<sup>2</sup>, 郭克林<sup>2,3</sup>  
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- C063** Real-World Insights: Metformin Link to Lower End-stage Renal Disease Risk in ADPKD Cases  
IC Kuo<sup>1,2</sup>, MY Lin<sup>3</sup>, YS Tsau<sup>4</sup>, JJ Lee<sup>1,3</sup>, YW Chiu<sup>1,3</sup>  
郭宜瑾<sup>1,2</sup>, 林明彥<sup>3</sup>, 曹宇翔<sup>4</sup>, 李佳蓉<sup>1,3</sup>, 邱怡文<sup>1,3</sup>  
<sup>1</sup>Kaohsiung Medical University, <sup>2</sup>Department of Internal Medicine, Kaohsiung Municipal Ta-Tung Hospital, <sup>3</sup>Division of Nephrology, Kaohsiung Medical University Hospital, <sup>4</sup>Department of Medical Research, Kaohsiung Medical University Hospital  
<sup>1</sup>高雄醫學大學, <sup>2</sup>高雄市立大同醫院內科, <sup>3</sup>高雄醫學大學附設中和紀念醫院腎臟內科, <sup>4</sup>高雄醫學大學附設中和紀念醫院醫學臨床醫學研究部
- C064** Predicting hyperkalemia in patients with advanced chronic kidney disease using the XGBoost model  
XGBoost model 對慢性腎臟病患者之高血鉀預測率  
Han-Hui Liu<sup>1</sup>, Hsin-Hsiung Chang<sup>2,3</sup>, Jung-Hsien Chiang<sup>2</sup>, Chun-Chieh Tsai<sup>1</sup>, Ping-Fang Chiu<sup>1,4</sup>  
劉瀚徽<sup>1</sup>, 張信雄<sup>2,3</sup>, 蔣榮先<sup>2</sup>, 蔡俊傑<sup>1</sup>, 邱炳芳<sup>1,4</sup>  
<sup>1</sup>Division of Nephrology, Department of Internal Medicine, Changhua Christian Hospital  
<sup>2</sup>Department of Computer Science and Information Engineering, National Cheng Kung University  
<sup>3</sup>Division of Nephrology, Department of Internal Medicine, Antai Medical Care Corporation Antai Tian-Sheng Memorial Hospital  
<sup>4</sup>Department of Post Baccalaureate, College of Medicine, National Chung Hsing University  
<sup>1</sup>彰基腎臟科, <sup>2</sup>成功大學資訊工程系, <sup>3</sup>安泰醫院腎臟科, <sup>4</sup>中興大學學士後醫學系
- C065** Early intervention of kidney health education improves the health literacy in general populations  
早期腎臟保健衛教介入改善一般民眾的健康識能  
Shu-Er Hsueh, Ya-Pei Yu, Hsin-Yi Lin, Yu-Chuan Hsiao, Dian-Shou Chuang, Lung-Chih Li, Wen-Chin Lee  
薛淑娥, 游雅珮, 林欣怡, 蕭妤娟, 莊滇收, 李隆志, 李文欽  
CKD Education Room, Division of Nephrology, Department of Internal Medicine, Kaohsiung Chang Gung Memorial Hospital  
高雄長庚紀念醫院內科部腎臟科慢性腎病衛教室

- C066** Efficacy and safety of initiating SGLT2 inhibitor treatment in CKD stage 4-5 patients in a propensity score-matched cohort  
 起始 SGLT2 抑制劑治療於腎臟病第 4-5 期的效益與安全性，一個傾向分數配對世代研究  
 Chi-Chih Hung<sup>1</sup>, Ping-Hsun Wu<sup>2</sup>, Mei-Chuan Kuo<sup>3</sup>, Yi-Chun Tsai<sup>4</sup>, Jer-Ming Chang<sup>5</sup>, Yi-Wen Chiu<sup>6</sup>, Shang-Jyh Hwang<sup>7</sup> for the DAPA advKD Investigators  
 洪啟智<sup>1</sup>, 吳秉勳<sup>1</sup>, 郭美娟<sup>1</sup>, 蔡宜純<sup>1</sup>, 張哲銘<sup>1</sup>, 邱怡文<sup>1</sup>, 黃尚志<sup>1</sup> 代表所有研究參與者  
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<sup>1</sup> 腎臟內科 高雄醫學大學
- C067** Remote Care for Autosomal Dominant Polycystic Kidney Disease (ADPKD) with Tolvaptan  
 遺傳體顯性多囊腎 (ADPKD) 使用 Tolvaptan 之遠距照護  
 Yi-Pei Chen, Pei-Ni Hsiao<sup>1,2</sup>, Daw-Yang Hwang<sup>1,3</sup>  
 陳宜霈<sup>1</sup>, 蕭佩妮<sup>1,2</sup>, 黃道揚<sup>1,3</sup>  
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<sup>1</sup> 高雄醫學大學附設中和紀念醫院腎臟內科<sup>2</sup> 高雄醫學大學附設中和紀念醫院護理部<sup>3</sup> 國家衛生研究院
- C068** The related risk factors of diabetic nephropathy in patients with type 2 diabetes mellitus  
 探討第二型糖尿病病人罹患糖尿病腎病變的風險模式  
 LP HSU<sup>1</sup>, PL Tseng<sup>2</sup>  
 徐禮平<sup>1</sup>, 曾芄廩<sup>2</sup>  
<sup>1</sup> Division of Nephrology Pingtung Christian Hospital,<sup>2</sup> Nursing Department Pingtung Christian Hospital  
<sup>1</sup> 屏東基督教醫院腎臟科,<sup>2</sup> 屏東基督教醫院護理部
- C069** High burden of ventricular premature complexes is an independent risk factor of the development of kidney failure in chronic kidney disease patients.  
 高心室早期收縮負荷是慢性腎臟病病人進展到腎衰竭的風險因子  
 Chien-Shien Lee<sup>1#</sup>, Chih-Hen Yu<sup>2#</sup>, Chao-Yu Chen<sup>3</sup>, Ting-Chun Huang<sup>3</sup>, Mu-Shiang Huang<sup>3</sup>, An-Bang Wu<sup>2</sup>, Chin-Chung Tseng<sup>2</sup>, Junne-Ming Sung<sup>2</sup>  
 #Lee CS and Yu CH contributed equally to this study  
 李見賢<sup>1</sup>, 余志恆<sup>2</sup>, 陳昭佑<sup>3</sup>, 黃鼎鈞<sup>3</sup>, 黃睦翔<sup>3</sup>, 吳安邦<sup>2</sup>, 曾進忠<sup>2</sup>, 宋俊明<sup>2</sup>  
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<sup>3</sup> 成功大學醫學院附設醫院內科部心臟血管科

## Electrolyte, Acid-Base, and Hypertension

C070-C072 Chair(s): 林承叡 / Cheng-Jui Lin、李玟儀 / Wen-Yi Li

C070 Association between severity of covid-19 infection and ratios of hyponatremia

Covid 病人嚴重度與低血鈉發生率之關係研究

黃紹誠<sup>1</sup>, 王玠仁<sup>2</sup>, 鍾心珮<sup>2</sup>, 林承叡<sup>1,3,4</sup>

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## Anemia, CKD-MBD, Nutrition, and Metabolism

C071 Association between Vitamin D Levels and COVID-19 Vaccine Induced Immunogenicity and Breakthrough Infection among Dialysis Patients

探討透析病人維他命 D 濃度與新冠疫苗之免疫原性及突破性感染之相關性

Wan-Chuan Tsai, Mei-Fen Pai, Kuei-Ting Tung, Hon-Yen Wu, Yen-Ling Chiu, Ju-Yeh Yang, Kai-Hsiang Shu, Shih-Ping Hsu, Yu-Sen Peng

蔡萬全, 白玫芬, 董奎廷, 吳泓彥, 邱彥霖, 楊如燁, 徐愷翔, 徐世平, 彭渝森

Division of Nephrology, Department of Internal Medicine, Far Eastern Memorial Hospital

亞東紀念醫院腎臟內科

C072 Relationship between Vitamin D Levels and Immune Response of COVID-19 Vaccine and Breakthrough Infection among Health-Care Workers

探討醫護人員維他命 D 水平與新冠疫苗之免疫反應及突破性感染之相關性

Wan-Chuan Tsai, Ju-Yeh Yang, Yen-Ling Chiu, Hon-Yen Wu, Mei-Fen Pai, Kuei-Ting Tung, Kai-Hsiang Shu, Shih-Ping Hsu, Yu-Sen Peng

蔡萬全, 楊如燁, 邱彥霖, 吳泓彥, 白玫芬, 董奎廷, 徐愷翔, 徐世平, 彭渝森

Division of Nephrology, Department of Internal Medicine, Far Eastern Memorial Hospital

亞東紀念醫院腎臟內科

C073-C087 Chair(S): 吳建興 / Chien-Hsing Wu、郭德輝 / Te-Hui Kuo

C073 Short-Term Effects of Therapeutic Diet on Bone Turnover Markers in Hemodialysis Patients: An Exploratory Analysis of a Randomized Crossover Trial

治療膳食對血液透析病人骨轉換指標的短期影響：隨機交叉試驗的探索性分析

Wan-Chuan Tsai, Hon-Yen Wu, Yen-Ling Chiu, Ju-Yeh Yang, Kai-Hsiang Shu, Mei-Fen Pai, Kuei-Ting Tung, Shih-Ping Hsu, Yu-Sen Peng

蔡萬全, 吳泓彥, 邱彥霖, 楊如燁, 徐愷翔, 白玫芬, 董奎廷, 徐世平, 彭渝森

Division of Nephrology, Department of Internal Medicine, Far Eastern Memorial Hospital

亞東紀念醫院腎臟內科

- C074** The Sharing of Nutrition Management Imported Into Taiwan Society Of Nephrology Information Platform In A Teaching Hospital In Southern Taiwan  
 南部某教學醫院應用「台灣腎臟醫學會腎臟病整合照護平台」管理末期腎臟病前期 (Pre-ESRD) 病人營養衛教之成效分享  
 Chen Hsinghui<sup>1</sup>, Chen Yu-Hsiu<sup>1</sup>, Chen Hui Chen<sup>2</sup>  
 陳幸慧<sup>1</sup>, 陳俞秀<sup>1</sup>, 陳惠貞<sup>2</sup>  
<sup>1</sup>Department of Food and Dietetics, <sup>2</sup>Department of Nephrology, St. Martin De Porres Hospital  
<sup>1</sup>財團法人天主教聖馬爾定醫院營養室, <sup>2</sup>腎臟科
- C075** Dietary Nursing Guidance and Its Role in Electrolyte Balance and Quality of Life for Hemodialysis Patients  
 飲食護理指導對於血液透析病人電解質平衡和生活品質的影響  
 YD Li<sup>1</sup>, PL Chen<sup>2</sup>, CW Lin<sup>3</sup>, MY Tseng<sup>4</sup>, TI Lin<sup>5</sup>, HL Tai<sup>6</sup>  
 李羿德<sup>1</sup>, 陳佩玲<sup>2</sup>, 林郡微<sup>3</sup>, 曾名瑜<sup>4</sup>, 林惇儀<sup>5</sup>, 戴辛翎<sup>6</sup>  
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<sup>1,2,3,4,5,6</sup> 國立台北護理健康大學護理系, <sup>6</sup>臺北榮總護理部
- C076** Comparison of reliability and validity of the nutritional screening assessments in elderly patients with end-stage renal disease  
 比較營養評估量表於老人末期腎臟病患之信效度  
 顧姍庭  
 台大醫院附設北護分院
- C077** Project to improve iron deficiency anemia in peritoneal dialysis patients  
 改善腹膜透析病人缺鐵性貧血之專案  
 盧尤娟<sup>1</sup>, 林彥君<sup>1</sup>, 何妙純<sup>1</sup>, 謝宜蓁<sup>2</sup>  
<sup>1</sup>台大醫院新竹台大分院腹膜透析室  
<sup>2</sup>台大醫院新竹台大分院血液透析中心
- C078** Improvement Project for Lowering Parathyroid Hormone Levels in Peritoneal Dialysis Patients  
 降低腹膜透析病人副甲狀腺素值之改善專案  
 何妙純<sup>1</sup>, 林彥君<sup>1</sup>, 盧尤娟<sup>1</sup>, 謝宜蓁<sup>2</sup>  
<sup>1</sup>台大醫院新竹台大分院 腹膜透析室  
<sup>2</sup>台大醫院新竹台大分院 血液透析中心
- C079** Uremic tumoral calcinosis on peritoneal dialysis patients  
 腹膜透析病人產生的腫瘤樣鈣質沉著症  
 曹郁文<sup>1</sup>, 黃琪峰<sup>1</sup>, 吳志仁<sup>1,2,3</sup>, 林承叡<sup>1,2,3</sup>  
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- C080** Nutrition care for hyperphosphatemia in a hemodialysis patient  
血液透析病人高磷血症之營養照護  
Yuen-Yuen Lin<sup>1</sup>, Chwei-Shiun Yang<sup>2</sup>, Kuei-Ying Huang<sup>1</sup>  
林元媛<sup>1</sup>, 楊垂勳<sup>2</sup>, 黃桂英<sup>1</sup>  
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國泰綜合醫院<sup>1</sup> 營養組<sup>2</sup> 腎臟科
- C081** The association between Lower LDL-C level and Cardiovascular and Renal Outcome for moderate and advanced CKD Patients under Statin: A Multi-institution Cohort Study  
Chieh-Li Yen<sup>1,2</sup>, Yung-Chang Chen<sup>1,2</sup>, Chih-Hsiang Chang<sup>1,2</sup>  
<sup>1</sup>Kidney Research Center, Department of Nephrology, Chang Gung Memorial Hospital, Linkou branch, Taoyuan, Taiwan  
<sup>2</sup>College of medicine, Chang Gung University, Taoyuan, Taiwan
- C082** The effect of low protein and higher energy nutritional supplement on nutritional status and GI function in patients with chronic kidney disease  
低蛋白高熱量的營養補充品對慢性腎臟病病人的營養狀況與腸道功能的影響  
吳紅蓮<sup>1</sup>, 郭德輝<sup>2</sup>, 王明誠<sup>2</sup>  
<sup>1</sup> 國立成功大學醫學院附設醫院營養部<sup>2</sup> 腎臟科
- C083** Effects of Melatonin on bones in Hemodialysis Patients  
褪黑激素對透析患者骨代謝的影響  
Kuo-Chin Hung, Chih-Jen Weng, Tian-Hua Chuang, Chao-Lin Huang  
洪國欽, 翁志仁, 莊天華, 黃朝麟  
Department of nephrology, Min-Sheng General Hospital  
桃園敏盛醫院 腎臟科
- C084** To manage secondary hyperparathyroidism by clinical audit with share decision making and application  
以臨床稽核手法結合醫病共享決策與智慧應用程式管控續發性副甲狀腺亢進  
Ya-Wen Lin<sup>1</sup>, Shu-Chin<sup>1</sup>, Yeh, Yi-Chou Hou<sup>2</sup>  
林雅雯<sup>1</sup>, 葉淑琴<sup>1</sup>, 侯羿州<sup>2</sup>  
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- C085** Femoral artery calcification and hip fracture risk in hemodialysis patients  
血液透析患者股動脈鈣化及髖部骨折風險  
Shun-Neng Hsu<sup>1</sup>, Chun-Liang Hsu<sup>2</sup>, Jhao-Jhuang Ding<sup>3</sup>, Yu-Juei Hsu<sup>1, \*</sup>  
<sup>1</sup>Division of Nephrology, Department of Medicine, Tri-Service General Hospital, National Defense Medical Center, Taipei, Taiwan  
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- C086** Physician acceptance on clinical decision support systems for anemia management in ESKD patients: A qualitative research  
探討腎臟科醫師對透析患者貧血治療臨床輔助系統接受度的質性研究  
Ju-Yeh Yang<sup>1,2</sup>, Raymond N. Kuo<sup>2</sup>  
楊如燁<sup>1,2</sup>, 郭年真<sup>2</sup>  
<sup>1</sup>Department of Internal Medicine, Far Eastern Memorial Hospital, New Taipei City, Taiwan  
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<sup>1</sup>亞東紀念醫院, <sup>2</sup>台灣大學公共衛生學院健康政策與管理研究所
- C087** Relationship between bone mineral density, serum sclerostin and physical activity in hemodialysis patients  
血液透析病人骨質密度、血中抑硬素及身體活動量的關係  
Te-Hui Kuo<sup>1,2</sup>, An-Bang Wu<sup>1</sup>, Wei-Hung Lin<sup>1</sup>, Jo-Yen Chao<sup>1</sup>, Ching-Chung Tseng<sup>1</sup>, Hung-Hsiang Liou<sup>3</sup>, Ming-Cheng Wang<sup>1,4</sup>  
郭德輝<sup>1,2</sup>, 吳安邦<sup>1</sup>, 林威宏<sup>1</sup>, 趙若雁<sup>1</sup>, 曾進忠<sup>1</sup>, 劉宏祥<sup>3</sup>, 王明誠<sup>1,4</sup>  
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## Hemodialysis

**C088-C096** Chair(s): 吳建興 / Chien-Hsing Wu、郭德輝 / Te-Hui Kuo

**C088** Severe abnormal hemogram in patients with end-stage renal disease on hemodialysis: A cross-sectional study in Taiwan

台灣末期腎臟病血液透析患者之異常血液相分析

Wei Wang<sup>1</sup>, Pin-Han Wu, Chien-Yuan Chen<sup>2</sup>, Shih-I Chen<sup>3</sup>, Chiung-Ying Huang<sup>3</sup>, Yi-Chih Lin<sup>4</sup>, Chih-Kang Chiang<sup>1,5</sup>, Yung-Ming Chen<sup>1,3</sup>, Shuei-Liong Lin<sup>1,6</sup>, Yu-Hsiang Chou<sup>1</sup>

王瑋<sup>1</sup>, 吳品翰, 陳建源<sup>2</sup>, 陳世宜<sup>3</sup>, 黃瓊瑩<sup>3</sup>, 林義智<sup>4</sup>, 姜至剛<sup>1,5</sup>, 陳永銘<sup>1,3</sup>, 林水龍<sup>1,6</sup>, 周鈺翔<sup>1</sup>

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**C089** Using an electronic stethoscope artificial intelligence deep learning model to predict arteriovenous shunt dysfunction

使用電子聽診器人工智慧深度學習模型來預測動靜脈瘻管功能障礙

Hsiu-Chin Mai<sup>1</sup>, Jui-Hsin Chen<sup>1</sup>, Chiu-Yueh Chen<sup>1</sup>, Szu-Chia Chen<sup>2,3</sup>

麥秀琴<sup>1</sup>, 陳瑞忻<sup>1</sup>, 陳秋月<sup>1</sup>, 陳思嘉<sup>2,3</sup>

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**C090** Association of arteriovenous access outcomes with circulating biomarker in hemodialysis patients

血液透析患者動靜脈瘻管預後與循環生物標誌物的相關性

Jui-Hsin Chen<sup>1</sup>, Hsiu-Chin Mai<sup>1</sup>, Chiu-Yueh Chen<sup>1</sup>, Szu-Chia Chen<sup>2,3</sup>

陳瑞忻<sup>1</sup>, 麥秀琴<sup>1</sup>, 陳秋月<sup>1</sup>, 陳思嘉<sup>2,3</sup>

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- C091** Is the nutritional status assessed by bioimpedance spectroscopy correlated with the history of coronary artery disease in hemodialysis patients?  
以生物阻抗譜評估的營養狀況是否與血液透析患者的冠狀動脈疾病史有關？  
Hung-Ping Chen<sup>1</sup>, Paik-Seong Lim<sup>1</sup>  
陳宏賓<sup>1</sup>, 林柏松<sup>1</sup>  
<sup>1</sup>Division of Renal Medicine, Tungs' Taichung Metroharbor Hospital  
<sup>1</sup> 童綜合醫院腎臟科
- C092** Use root cause analysis techniques to improve abnormal events such as dialysis information system crashes and failure to upload instrument data  
運用根本原因分析手法改善透析資訊系統當機及無法上傳儀器資料異常事件  
Li-Ching Chen<sup>1</sup>, Su-Tsai Huang<sup>2</sup>, Chih-Chieh Shih<sup>3</sup>, Jun-Yao Liao<sup>3</sup>  
陳麗蒼<sup>1</sup>, 黃素猜<sup>2</sup>, 施志杰<sup>3</sup>, 廖俊堯<sup>3</sup>  
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- C093** Uric acid is a significantly predictive factor for progression of atherosclerosis in hemodialysis patients  
血液透析病患血中尿酸為進行性動脈粥狀硬化的一個重要預測因子  
Kai-Ni Lee<sup>1</sup>, Chien-An Chen<sup>1</sup>, Jia-Rong Lin<sup>1</sup>, Shang-Jie Liu<sup>2</sup>  
李凱妮<sup>1</sup>, 陳建安<sup>1</sup>, 林佳蓉<sup>1</sup>, 劉尚婕<sup>2</sup>  
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- C094** The effect of exercise before hemodialysis on cardiopulmonary response  
透析前運動對於心肺功能的影響  
Ching-Chung Hsiao<sup>1</sup>, Wei-Chiao Sun<sup>1</sup>, Pei-Yi Fan<sup>1</sup>, Ji-Tseng Fang<sup>2</sup>, Shu-Chun Huang<sup>3</sup>  
蕭景中<sup>1</sup>, 孫偉喬<sup>1</sup>, 范珮宜<sup>1</sup>, 方基存<sup>2</sup>, 黃書群<sup>3</sup>  
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- C095** Analysis and discussion of factors related to resource consumption caused by delayed hemodialysis in southern kidney disease patients  
南部腎臟病患者延遲血液透析造成資源耗用相關因素分析與探討  
Ku-Chung Wang<sup>1</sup>, Te-Chuan Chen<sup>2</sup>, Meng-Hsueh Wu<sup>1</sup>, Ching-Tan Cheng<sup>1</sup>, Yueh-Ting Lee<sup>1</sup>, Shang-Chin Liao<sup>1</sup>, Chlen-Te Lee<sup>1</sup>  
王谷鐘<sup>1</sup>, 陳德全<sup>2</sup>, 吳孟學<sup>1</sup>, 鄭晶丹<sup>1</sup>, 李岳庭<sup>1</sup>, 廖上智<sup>1</sup>, 李建德<sup>1</sup>  
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- C096** Access Outcomes of Periodic Outpatient Assessments in Patients with Hemodialysis  
規則門診評估對血液透析病患瘻管之效應  
Tzu-Chen Lin<sup>1,4</sup>, Cheng-Chieh Yen<sup>2</sup>, Lu-Jung Yen<sup>3</sup>, Chiang-Pei Huang<sup>3</sup>, Tsung-Liang Ma<sup>2</sup>, Chih-Yen Hsiao<sup>2</sup>  
林慈珍<sup>1,4</sup>, 顏正杰<sup>2</sup>, 顏綠蓉<sup>3</sup>, 黃瓊珮<sup>3</sup>, 馬宗良<sup>2</sup>, 蕭志彥<sup>2</sup>  
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- C097-C120** Chair(s): 鄭仲益 / Chung-Yi Cheng、吳培甄 / Pei-Chen Wu
- C097** Investigating the Interplay of Depression, Anxiety, and Quality of Life in Patients with Hemodialysis: A Cross-Sectional Study  
Jiu-Yun Tian<sup>1</sup>, Tiang-Chen Chang<sup>2</sup>, Tai-Ching Fu<sup>3</sup>, Hsin-Yi Wu<sup>4</sup>, Hsin-Ling Tai<sup>5</sup>, Meei-Ju Wu<sup>6</sup>, Jung-Fen Lee<sup>7</sup>  
Department of Nursing, Taipei Veterans General Hospital, Taipei, Taiwan
- C098** Clinical Application of Handheld Ultrasound in Hemodialysis Patients  
手持式超音波於血液透析病人的臨床應用  
Chia-Yen Lee, Chung-Ming Fu, Chiao-Jung Chen, Hui-Ju Kuo, Ching-I Yu, Wen-Chin Lee  
李佳諺, 傅崇銘, 陳嬌蓉, 郭慧如, 俞靜儀, 李文欽  
Division of Nephrology, Department of Internal Medicine, Kaohsiung Chang-Gung Memorial Hospital  
高雄長庚醫院 腎臟科

- C099** Utilizing cross-team diversity strategies to enhance the safety and quality of dialysis water  
運用跨團隊多元策略改善透析用水的安全及品質  
Yu-Chien Liu<sup>1</sup>, We-iting Wang<sup>1</sup>, Ting-Ting Tasi<sup>1</sup>, Pei-Shan Tasi<sup>1</sup>, Tzu-Chi Shih<sup>1</sup>, Te-Hui Kuo<sup>2</sup>, Chin-Chung Tseng<sup>2</sup>  
劉玉倩<sup>1</sup>, 王偉婷<sup>1</sup>, 蔡婷婷<sup>1</sup>, 蔡佩珊<sup>1</sup>, 石子琦<sup>1</sup>, 陳珍緯<sup>1</sup>, 郭德輝<sup>2</sup>, 曾進忠<sup>2</sup>  
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- C100** Integrating vascular access surveillance with clinical monitoring for stenosis prediction  
整合血管通路定期追蹤合併臨床監控來預測血管通路狹窄  
Chung-Kuan Wu<sup>1,2</sup>, Chia-Hsun Lin<sup>2,3</sup>  
吳重寬<sup>1,2</sup>, 林佳勳<sup>2,3</sup>  
<sup>1</sup>新光吳火獅紀念醫院腎臟內科 <sup>2</sup>輔仁大學醫學院 <sup>3</sup>新光吳火獅紀念醫院心血管外科
- C101** A collaborative model between dialysis clinics and a hospital center improves the quality of vascular access care and intervention for hemodialysis patients  
透析診所與醫院間的合作模式改善血液透析患者的血管通路照護與介入治療品質  
Chung-Kuan Wu<sup>1,2,3</sup>, Yu-Wei Fang<sup>1,3</sup>, Chia-Hsun Lin<sup>3,4</sup>  
吳重寬<sup>1,2,3</sup>, 方昱偉<sup>1,3</sup>, 林佳勳<sup>3,4</sup>  
<sup>1</sup>新光吳火獅紀念醫院腎臟內科 <sup>2</sup>新光吳火獅紀念醫院透析血管通路管理中心  
<sup>3</sup>輔仁大學醫學院 <sup>4</sup>新光吳火獅紀念醫院心血管外科
- C102** Online OCM may be a reliable approach for measurement of adequacy of intermittent hemodialysis in acute kidney injury  
Yi-Hsi Lee, Ruei-Syuan Bai, Shih-Han Kao, Paik-Seong Lim  
李怡錫, 白睿軒, 高詩涵, 林柏松  
童綜合醫院
- C103** Assessing CAD Complexity and Mortality Risk in ESKD Patients Undergoing PCI  
陳值<sup>1</sup>, 林志慶<sup>2</sup>, 黎思源<sup>3</sup>  
台北榮總腎臟科
- C104** Association of Cardiac Biomarkers of Heart Failure and Iron status in Hemodialysis Patients  
血液透析患者心臟衰竭及鐵營養狀況與心肌生化標記的關係  
Ming Ying Wu, Chan Hsu Chen, Tsai-Kun Wu, Paik Seong Lim  
Division of Renal Medicine, Tungs' Taichung Metroharbour Hospital, Taichung, Taiwan

- C105** Impact of national hepatitis C virus (HCV) elimination policies and actions on HCV micro-elimination in hemodialysis population  
Ming-Yan Jiang<sup>1,2</sup>, Yi-Chan Lee<sup>3</sup>, Tsung-Hsueh Lu<sup>2</sup>  
<sup>1</sup>Renal Division, Department of Internal Medicine, Chi Mei Medical Center  
<sup>2</sup>Department of Public Health, College of Medicine, National Cheng Kung University  
<sup>3</sup>Institute of Health Policy and Management, College of Public Health, National Taiwan University
- C106** Prevalence of Peripheral Artery Disease and its Risk Factors in Patients Undergoing Hemodialysis  
血液透析病人週邊動脈疾病盛行率及危險因子分析  
Wan-Chuan Tsai, Yen-Ling Chiu, Hon-Yen Wu, Ju-Yeh Yang, Kai-Hsiang Shu, Mei-Fen Pai, Kuei-Ting Tung, Yu-Sen Peng, Shih-Ping Hsu  
蔡萬全, 邱彥霖, 吳泓彥, 楊如燁, 徐愷翔, 白玫芬, 董奎廷, 彭渝森, 徐世平  
Division of Nephrology, Department of Internal Medicine, Far Eastern Memorial Hospital  
亞東紀念醫院腎臟內科
- C107** Precision smart medical system integrates digital hemodialysis system management and application: Experience from a Medical Center  
精準智慧醫療系統整合數位化血液透析系統管理與運用：某醫學中心經驗分享  
Chia-Ling Tu<sup>1</sup>, Rou-Yu Sung<sup>1</sup>, Hsin-Ling Tai<sup>2</sup>, Chiung-Yu Shih<sup>3</sup>, Jung-Fen Lee<sup>4</sup>  
涂嘉玲<sup>1</sup>, 宋柔郁<sup>1</sup>, 戴辛翎<sup>2</sup>, 施瓊玉<sup>3</sup>, 李榮芬<sup>4</sup>  
<sup>1</sup>Taipei Veterans General Hospital Nurse, <sup>2</sup>Head Nurse, <sup>3</sup>Assistant Head Nurse, <sup>4</sup>Nursing Supervisor  
臺北榮民總醫院
- C108** Implementing Screening Questionnaires and a Fish Bone Diagram-Based Program to Enhance the Ability of Hemodialysis Dry Body Weight Education in Hemodialysis Nurses  
Jenn Yeu Wang<sup>1,2,3,4,5</sup>, Yu Ting Tsai<sup>1,2</sup>, Chun Ju Chien<sup>1,2</sup>, Shiao jing Lin<sup>1,2</sup>  
王震宇<sup>1,2,3,4,5</sup>, 蔡鈺婷<sup>1,2</sup>, 簡君如<sup>1,2</sup>, 林曉菁<sup>1,2</sup>  
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- C109** Valvular Heart Disease in Patients with End-Stage Renal Disease: Prevalence, Clinical Manifestations, and Prognosis  
 末期腎臟病患者之瓣膜性心臟疾病盛行率、臨床特徵及相關預後探討  
 Wan-Ching Lee<sup>1</sup> Ying-Hwa Chen<sup>2,3</sup> Chih-Ching Lin<sup>1,3</sup>  
 李宛靜<sup>1</sup>, 陳嬰華<sup>2,3</sup>, 林志慶<sup>1,3</sup>  
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- C110** The effects of management on improving intradialytic hypotension among patients with renal failure: A Systemic Review  
 改善腎衰竭患者血液透析中低血壓之處置成效探討 - 系統性文獻回顧  
 Hsiao-Ping Chang<sup>1</sup>, Hua-Shan Wu<sup>2</sup>, Huan-Sheng Chen<sup>3</sup>  
 Tseng Han Chi Hospital<sup>1</sup>, Asia University<sup>2</sup>, An Hsin Clinic<sup>3</sup>  
 張小平<sup>1</sup>, 吳樺嫻<sup>2</sup>, 洪思宏<sup>3</sup>  
 曾漢棋綜合醫院<sup>1</sup>, 亞洲大學<sup>2</sup>, 曾漢棋綜合醫院<sup>3</sup>
- C111** Implementing a Multidimensional Integrated Care Model for Kidney Disease to Achieve Sustainable Development Goals  
 執行多面向整合性的腎臟病照護模式以落實永續發展目標  
 Ching-I Yu, Shu-Kuan Kuo, Ya-Pei Yu, Chien-Hsiu Liu, Chiao-Jung Chen, Ting-Yu Chiou,  
 Wen-Chin Lee  
 俞靜儀, 郭淑冠, 游雅珮, 劉建秀, 陳嬌蓉, 邱鼎育, 李文欽  
 Division of Nephrology, Department of Internal Medicine, Kaohsiung Chang-Gung Memorial Hospital  
 高雄長庚醫院內科部 腎臟科
- C112** Factors Associated with Repeated Percutaneous Balloon Angioplasty in Hemodialysis Patients with Dysfunction of Arteriovenous Fistula  
 血液透析病人瘻管失能需重複經皮氣球血管擴張術相關因素探討  
 Chi-Ping Yeh, Ching-I Yu, Kuo Shu-Kuan, Chiao-Jung Chen, Chung-Ming Fu, Wen-Chin Lee  
 葉季萍, 俞靜儀, 郭淑冠, 陳嬌蓉, 傅崇銘, 李文欽  
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 高雄長庚醫院內科部 腎臟科

- C113** Health literacy, self-efficacy, and health outcomes of patients undergoing hemodialysis: Mediating role of self- management  
血液透析病人健康識能、自我效能對健康結果之影響：自我管理的中介效果  
Shu-Hua HSU<sup>1</sup>, Yu-Li LIN<sup>2</sup>, Ying TSAO<sup>3</sup>  
徐淑華<sup>1</sup>, 林子立<sup>2</sup>, 曹英<sup>3</sup>  
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- C114** Improving the management of medical supplies by using Lean methods  
運用精實手法改善醫衛材管理  
Tan-Yun Hsu<sup>1</sup>, Ya-Fang Wu<sup>2</sup>, Na-Chi Su<sup>3</sup>  
許珮云<sup>1</sup>, 王榆樾<sup>2</sup>, 蘇娜琦<sup>3</sup>  
Buddhist Dalin Tzu Chi Hospital  
佛教大林慈濟醫院
- C115** Using Information Technology to Improve the Error Rate of Outpatient Examination Procedures in Hemodialysis Room  
運用資訊科技改善血液透析室門診採檢流程錯誤率  
Huai-Hsuan Chang<sup>1</sup>, Yu-Wen Chiu<sup>1</sup>, Yi-Hsiu Lin<sup>1</sup>, Yeh-Chen<sup>1</sup>, Chia-Wen Wu<sup>1</sup>, Ie-Ching Hu<sup>1</sup>, Chun-Yi Hung<sup>1</sup>, Yu-Tzu Chang<sup>2</sup>  
張懷萱<sup>1</sup>, 邱郁雯<sup>1</sup>, 林怡秀<sup>1</sup>, 陳燁<sup>1</sup>, 吳佳雯<sup>1</sup>, 侯玉琴<sup>1</sup>, 洪君怡<sup>1</sup>, 張育誌<sup>2</sup>  
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國立成功大學醫學院附設醫院 護理部<sup>1</sup> 內科部腎臟科<sup>2</sup>
- C116** Low serum selenoprotein P level is associated with aortic stiffness measuring by carotid-femoral pulse wave velocity in maintenance hemodialysis patients  
低的血清硒蛋白質 P 濃度跟血液透析患者以中心脈波傳導速率測量中樞動脈硬度有關  
Yu-Chi Chang<sup>1</sup>, Chiu-Huang Kuo<sup>1,2</sup>, Hung-Hsiang Liou<sup>3</sup>, Bang-Gee Hsu<sup>1,2</sup>  
張宇祺<sup>1</sup>, 郭秋煌<sup>1,2</sup>, 劉宏祥<sup>3</sup>, 徐邦治<sup>1,2</sup>  
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- C117** Increase Critical Laboratory Value Reporting Efficacy in Hemodialysis Patients by Electronic Informatization  
資訊化運用提升門診血液透析病人危急值即時通報效能  
郭淑冠<sup>1</sup>, 陳玉娟<sup>1</sup>, 俞靜儀<sup>1</sup>, 陳彥蓉<sup>2</sup>, 李文欽<sup>1</sup>, 李建德<sup>1</sup>  
高雄長庚紀念醫院 內科部腎臟科<sup>1</sup> 檢驗醫學部<sup>2</sup>



- C118** Physiological Effects of Exercising in Hemodialysis Patients: Systematic Review  
以系統性文獻回顧探討運動對血液透析病人生理影響  
HC Tseng<sup>1</sup>, CY Tu<sup>2</sup>, YH Chen<sup>3</sup>, HL Tai<sup>4\*</sup>  
曾纘棋<sup>1</sup>, 涂佳玉<sup>2</sup>, 陳以馨<sup>3</sup>, 戴辛翎<sup>4\*</sup>  
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<sup>1,2,3,4</sup> 國立台北護理健康大學護理系, <sup>4</sup> 臺北榮總護理部
- C119** Utilizing Healthcare Quality Strategies to Establish a Hepatitis C-Free Dialysis Center  
善用醫品策略，打造零 C 肝的透析室  
Ya-Ting Chen<sup>1</sup>, Hui-Fang Huang<sup>1</sup>, Hui-Xia Hu<sup>1</sup>, Jun-Ren Lai<sup>1</sup>, Bo-Rong Wu<sup>1</sup>, Yuan-Hong Guo<sup>2</sup>, Wen-Chin Lee<sup>1</sup>  
陳雅婷<sup>1</sup>, 黃慧芳<sup>1</sup>, 胡惠霞<sup>1</sup>, 賴俊仁<sup>1</sup>, 吳柏融<sup>1</sup>, 郭垣宏<sup>2</sup>, 李文欽<sup>1</sup>  
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<sup>1</sup>高雄長庚醫院腎臟科, <sup>2</sup>高雄長庚醫院胃腸肝膽科
- C120** Psychological Effects of Listening to Music During Dialysis on Hemodialysis Patients  
透析期間聽音樂對於血液透析病人的心理影響  
TL Tsai<sup>1</sup>, YS Huang<sup>2</sup>, WL Huang<sup>3</sup>, YT Chang<sup>4</sup>, KH Zheng<sup>5</sup>, HL Tai<sup>6\*</sup>  
蔡采玲<sup>1</sup>, 黃羿瑄<sup>2</sup>, 黃雯琳<sup>3</sup>, 張晏慈<sup>4</sup>, 鄭可暄<sup>5</sup>, 戴辛翎<sup>6\*</sup>  
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- C121-C144** Chair(s): 蕭志忠 / Chih-Chung Shiao、蔡明村 / Tsai-Ming-Tsun
- C121** Provide Strategies Related to the Correct Testing Process in Outpatient Hemodialysis Room to Reduce the Incidence of Abnormal Testing  
提供門診血液透析室正確檢驗流程之相關策略改善檢驗異常發生率  
Yu-Wen Chiu<sup>1</sup>, Yeh-Chen<sup>1</sup>, Yi-Hsiu Lin<sup>1</sup>, Huai-Hsuan Chang<sup>1</sup>, Chia-Wen Wu<sup>1</sup>, Ie-Ching Hu<sup>1</sup>, Chun-Yi Hung<sup>1</sup>, Yu-Tzu Chang<sup>2</sup>  
邱郁雯<sup>1</sup>, 陳燁<sup>1</sup>, 林怡秀<sup>1</sup>, 張懷萱<sup>1</sup>, 吳佳雯<sup>1</sup>, 侯玉琴<sup>1</sup>, 洪君怡<sup>1</sup>, 張育誌<sup>2</sup>  
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國立成功大學醫學院附設醫院 護理部 <sup>1</sup> 內科部腎臟科 <sup>2</sup>
- C122** Systematic Review: Effects of Sertraline on Preventing Hypotension in Hemodialysis Patients  
系統性回顧：Sertraline 藥物對預防血液透析患者低血壓的成效  
QY Zhang<sup>1</sup>, YH Huang<sup>2</sup>, KS Chen<sup>3</sup>, EY Chen<sup>4</sup>, HL Tai<sup>5\*</sup>  
張芊怡<sup>1</sup>, 黃于瑄<sup>2</sup>, 陳可珊<sup>3</sup>, 陳恩盈<sup>4</sup>, 戴辛翎<sup>5\*</sup>  
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- C123** Enhancing the Accuracy of Blood Collection in the Hemodialysis Unit  
提升血液透析室採集檢體之正確性  
Miao-Ling, Hsieh<sup>1</sup>, Shu-Fen, Wu<sup>2</sup>  
謝妙玲<sup>1</sup>, 吳淑芬<sup>2</sup>  
Hemodialysis Room of Xiaogang Hospital  
小港醫院血液透析室
- C124** Enhancing Resilience in Dialysis Patients: Can Mindfulness Meditation Serve as a Therapeutic Adjunct?  
增強透析病人的韌力：正念冥想可以作為輔助治療嗎？  
YJ Cheng<sup>1</sup>, XC Chen<sup>2</sup>, AY Lin<sup>3</sup>, JX Chiu<sup>4</sup>, HL Tai<sup>5</sup>  
鄭雅柔<sup>1</sup>, 陳湘淳<sup>2</sup>, 林安怡<sup>3</sup>, 邱竟瑄<sup>4</sup>, 戴辛翎<sup>5</sup>  
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- C125** Improving quality of life in dialysis patients with chronic hepatitis C infection  
改善門診血液透析治療C型肝炎病患的生活品質  
Pei-Jung Wu<sup>1</sup>, Ching-Yi Yu<sup>1</sup>, Lung-Chih Li<sup>1</sup>, Wen-Chin Lee<sup>1</sup>  
吳佩蓉<sup>1</sup>, 俞靜儀<sup>1</sup>, 李隆志<sup>1</sup>, 李文欽<sup>1</sup>  
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<sup>1</sup> 高雄長庚醫院內科部腎臟科
- C126** Reducing Tunneled-cuff Dialysis Catheter Infection Rates in Hemodialysis Patients through Multifaceted Strategies  
運用多元策略降低血液透析病患長期性導管感染率  
丁凡棋, 張明芳, 黃桂卿, 吳寶華, 郭淑冠, 俞靜儀, 賴育城, 李文欽  
高雄長庚紀念醫院 內科部腎臟科
- C127** Efficacy of Low-Temperature Dialysis in Preventing Intradialytic Hypotension among Acute and Chronic Renal Failure Patients  
低溫透析於急慢性腎衰竭病人，預防血液透析中低血壓之成效  
Zhi-Yi Zhu<sup>1</sup>, Tsai-Yu Liao<sup>2</sup>, Mei-Ling Li<sup>3</sup>, Yu-Chia Cheng<sup>4</sup>, Hsin-Ling Tai<sup>5</sup>  
朱芷儀<sup>1</sup>, 廖采榆<sup>2</sup>, 李媯鈴<sup>3</sup>, 鄭又嘉<sup>4</sup>, 戴辛翎<sup>5</sup>  
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- C128** Reduce the incidence of abnormal specimens in the hemodialysis room  
降低血液透析室檢體異常發生率  
Ie-Ching Hu<sup>1</sup>, Yu-Wen Chiu<sup>1</sup>, Huai-Hsuan Chang<sup>1</sup>, Yeh-Chen<sup>1</sup>, Yi-Hsiu Lin<sup>1</sup>,  
Wu chia wen<sup>1</sup>, Hung Chun-Yi<sup>1</sup>, Chen-Wei Chen<sup>1</sup>, Te-Hui Kuo<sup>2</sup>  
侯玉琴<sup>1</sup>, 邱郁雯<sup>1</sup>, 張懷萱<sup>1</sup>, 陳燁<sup>1</sup>, 林怡秀<sup>1</sup>, 吳佳雯<sup>1</sup>, 洪君怡<sup>1</sup>, 陳珍緯<sup>1</sup>, 郭德輝<sup>2</sup>  
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國立成功大學醫學院附設醫院<sup>1</sup>護理部、<sup>2</sup>腎臟科, 台灣
- C129** Reducing the incidence of hemodialysis tubing slippage rate  
降低血液透析管路滑脫率之改善專案  
Ru-Jiun Tsai<sup>1</sup>, Yi-Wen Wang<sup>1</sup>, Chia-Hsin Liu<sup>1</sup>  
蔡如鈞<sup>1</sup>, 王怡文<sup>1</sup>, 劉嘉新<sup>1</sup>  
Tri-Service General Hospital Nephrology<sup>1</sup>  
三軍總醫院腎臟內科<sup>1</sup>
- C130** TRM model for integrated care of hemodialysis patients with COVID-19  
團隊資源管理 (TRM) 模式於血液透析病人 COVID-19 整合性照護  
Sheng-Fang Hsiao<sup>1</sup>, Yu-Ying Huang<sup>1</sup>, Hui-Ling Lai<sup>1</sup>, Jui-Shan Tsai<sup>1</sup>, Sung-Yi  
Chun<sup>1</sup>, Hung-Ju Lai<sup>1</sup>, Mei-Chuan Kuo<sup>2</sup>  
蕭聖芳<sup>1</sup>, 黃玉瑩<sup>1</sup>, 賴惠玲<sup>1</sup>, 蔡瑞珊<sup>1</sup>, 宋藝君<sup>1</sup>, 賴虹如<sup>1</sup>, 郭美娟<sup>2</sup>  
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科
- C131** Reduce the incidence of hyperphosphatemia in hemodialysis patients  
降低血液透析病人高血磷發生率  
Mei-Yi Wei<sup>1</sup>, Chiung-Hua Ho<sup>1</sup>, Kai-Ling Yang<sup>2</sup>, I-Wen Ting<sup>2</sup>  
魏美怡<sup>1</sup>, 何瓊華<sup>1</sup>, 楊凱玲<sup>2</sup>, 丁羿文<sup>2</sup>  
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Hospital  
<sup>1</sup>中英診所 <sup>2</sup>中國醫藥大學附設醫院腎臟系
- C132** Standardization of Hemodialysis Access Creation by Intuprofessional  
Collaborative Practice with Shared Decision Making  
利用跨團隊照護結合醫病共享決策為輔介入透析管路建置標準化  
黃慧玲<sup>1</sup> 司雅玲<sup>2</sup> 陳秋惠<sup>3</sup>  
臺大醫院新竹分院 血液透析室

- C133** Using system diagram to improve quality of water for hemodialysis  
運用系統圖分析提升血液透析用水品質  
Pei-Shan Tsai<sup>1</sup>, Ting-Ting Tsai<sup>1</sup>, Chen-Wei Chen<sup>1</sup>, Ie-Ching Hu<sup>1</sup>, Feng-Tai Zhang<sup>2</sup>, Te Hui Ku<sup>3</sup>  
蔡佩珊<sup>1</sup>, 蔡婷婷<sup>1</sup>, 陳珍璋<sup>1</sup>, 侯玉琴<sup>1</sup>, 張豐泰<sup>2</sup>, 郭德輝<sup>3</sup>  
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- C134** The incidence of thyroid cancer among patients receiving hemodialysis with secondary hyperparathyroidism post parathyroidectomy in Taipei Cathy General Hospital  
台北國泰醫院洗腎病患副甲狀腺功能亢進症經副甲狀腺切除術合併甲狀腺癌之發生率  
Chun-Lin Fu, Andrew Chou, Ming-Tso Yan, Shiang-Hua Feng, Chwei-shiun Yang  
傅俊霖, 周子巽, 顏銘佐, 馮祥華, 楊垂勳  
Taipei Cathay General Hospital  
台北國泰醫院
- C135** The effectiveness of using far-infrared radiation and in-bed cycling exercise to improve the symptoms of restless leg syndrome in hemodialysis patients  
運用遠紅外線照射及床上腳踏車運動改善血液透析患者不寧腿症候群症狀之成效  
Pin-Hsiu Chen, Chia-Yi(Joy) Chiao, Huey-Liang Kuo, Gu Jia-Chi Huang, Ying-Fang Zhang, Kai-Ling Yang  
陳品秀<sup>1\*</sup>, 喬佳宜<sup>2</sup>, 郭慧亮<sup>3</sup>, 黃家琪<sup>4</sup>, 張穎方<sup>5</sup>, 楊凱玲<sup>6</sup>  
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<sup>3</sup>中國醫藥大學附設醫院腎臟系
- C136** Improve the handwashing compliance rate in hemodialysis rooms nursing staff  
提升血液透析室護理人員洗手遵從率  
Hsiang-Mei Chen<sup>1</sup>, Ching-Wei Wang<sup>1</sup>, Yueh-Feng Tsai<sup>1</sup>, Ting-Yi Wang<sup>1</sup>, Li-Chiung Yang<sup>1</sup>, Li-Hsueh Huang<sup>1</sup>  
陳香每<sup>1</sup>, 王景薇<sup>1</sup>, 蔡岳峰<sup>1</sup>, 王婷翊<sup>1</sup>, 楊麗瓊<sup>1</sup>, 黃麗雪<sup>1</sup>  
<sup>1</sup>Dialysis Center, Tainan Sin Lau Hospital, Tainan, Taiwan  
<sup>1</sup>台南新樓醫院 血液透析中心

- C137** Reduction of Arteriovenous Shunt Obstruction Rates in Hemodialysis Patients  
降低血液透析病人動靜脈瘻管阻塞率  
Tsai-Yi Chen<sup>1</sup>, Mei-Hui Chiang<sup>1</sup>, Li-Chin Chang<sup>1</sup>, Yueh-Hwa Lin<sup>1</sup>, Kai-Ling Yang<sup>2</sup>,  
Shin-Yi Lin<sup>2</sup>  
陳采儀<sup>1</sup>, 蔣美慧<sup>1</sup>, 張璫今<sup>1</sup>, 林月花<sup>1</sup>, 楊凱玲<sup>2</sup>, 林詩怡<sup>2</sup>  
<sup>1</sup>Hemodialysis Unit of Huihe Hospital  
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<sup>1</sup> 惠和醫院血液透析室 <sup>2</sup> 中國醫藥大學附設醫院腎臟系
- C138** Developing entrustable professional activities (EPAs) for training new nursing staff in hemodialysis units  
發展可信賴專業活動 (EPAs) 運用於血液透析室的新進護理人員培訓  
Ching-Yueh Hsu, Hsiang-Yu Hsiao, Yu-Ying Huang  
許瀨月<sup>1</sup>, 蕭湘玉<sup>1</sup>, 黃玉瑩<sup>1</sup>  
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<sup>1</sup> 高雄醫學大學附設中和紀念醫院護理部
- C139** Study on the clinical differences between hemodialysis early cannulation graft and traditional graft  
血液透析即穿式人工血管與傳統人工血管臨床差異性研究  
Yu-Fen Ting, Shang-Chih Liao, Hsu-Ting Yen, Ching-Tan Cheng, Yueh-Ting Lee  
丁郁芬, 廖上智, 顏旭霆, 鄭晶丹, 李岳庭  
Kaohsiung Municipal Feng Shan Hospital-Under the Management of Chang Gung Medical Foundation (Hemodialysis room、Cardiovascular Surgery)  
高雄市立鳳山醫院 (委託長庚醫療財團法人經營) 血液透析室, 心臟血管外科
- C140** Applying evidence based methods to explore the effectiveness of hemodialysis taping styles in preventing puncture needle dislodgement  
以實證手法探討血液透析穿刺針固定方式對預防穿刺針滑脫之成效  
Yu-Hsiu Wang, Tzu-Yen Hsu, Hsiu-Chu Chang, Jui-Hsin Chen  
王玉秀, 許紫燕, 張琇祝, 陳瑞忻  
Department of Nursing, Kaohsiung Municipal Siaogang Hospital  
高雄市立小港醫院 (委託高雄醫學大學經營) 護理部
- C141** Underestimated peripheral arterial disease in hemodialysis patients: a single center cases analysis  
血液透析患者易被忽略的周邊動脈阻塞疾病: 單一中心病例分析  
Yu-Wen Huang<sup>1</sup>, Chih-Chien Sung<sup>1</sup>, Chien-Chou Chen<sup>1,2</sup>  
黃玉玟<sup>1</sup>, 宋志建<sup>1</sup>, 陳建州<sup>1,2</sup>  
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- C142** Risk of hyperkalemia and its associated prognosis when Transition from Peritoneal Dialysis to Hemodialysis: A Single-Center Retrospective Study  
從腹膜透析轉換到血液透析時高鉀血症的風險及其相關預後：單一中心回顧性研究  
Ang Lu<sup>1</sup>, Chien-Chou Chen<sup>1,2</sup>, Shun-Neng Hsu<sup>1</sup>  
盧昂<sup>1</sup>, 陳建州<sup>1,2</sup>, 許舜能<sup>1</sup>  
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- C143** The Learning Effectiveness of Innovative 3D-Printed Teaching Aids on Emergency Responses Ability Use among Hemodialysis Patients  
運用 3D 列印創新教具於血液透析病人緊急應變逃生能力訓練之學習成效  
Chia-Wen Wu<sup>1</sup>, Chia-Yi Lin<sup>1</sup>, Yu-Chun Tsai<sup>1</sup>, Pei-Shan Tsai<sup>1</sup>, Chen-Wei Chen<sup>1</sup>, Te-Hui Kuo<sup>2</sup>  
吳佳雯<sup>1</sup>, 林佳誼<sup>1</sup>, 蔡俞君<sup>1</sup>, 蔡佩珊<sup>1</sup>, 陳珍緯<sup>1</sup>, 郭德輝<sup>2</sup>  
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<sup>1</sup> 國立成功大學醫學院附設醫院護理部, <sup>2</sup> 腎臟科
- C144** Care Bundles to prevent tube catheter dislodgement in hemodialysis patients  
強化組合式照護預防血液透析病人管路滑脫  
Mei-Yen Chung<sup>1</sup>, Ie-Ching Hu<sup>1</sup>, Chen-Wei Chen<sup>1</sup>, Te-Hui Kuo<sup>2</sup>  
鍾美燕<sup>1</sup>, 侯玉琴<sup>1</sup>, 陳珍緯<sup>1</sup>, 郭德輝<sup>2</sup>  
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- C145-C168** Chair(s): 郭美娟 / Mei-Chuan Kuo、郭克林 / Ko-Lin Kuo
- C145** The effect of melatonin on the sleep status in hemodialysis patients  
血液透析病人使用褪黑激素對睡眠狀況的影響  
邱美玲<sup>1</sup>, 洪國欽<sup>2</sup>  
<sup>1</sup> 敏盛綜合醫院 血液透析室, <sup>2</sup> 敏盛綜合醫院 腎臟內科
- C146** Improve vascular access occlusion rate via interventional treatment of dialysis hypotension in elderly hemodialysis patients  
高齡血液透析患者經由血液透析低血壓的介入處置改善血管通路阻塞率  
Wan Ting Chiu, Hui-Chung Tsai, Leong Foong Fah, Ching-I Yu, Wen-Chin Lee, Jin-Bor Chen  
邱宛婷, 蔡蕙鍾, 梁鴻華, 俞靜儀, 李文欽, 陳靖博  
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高雄長庚紀念醫院 內科部 腎臟科

- C147** Using team resources to optimize the awareness rate of dialysis hypotension care in elderly hemodialysis patients  
運用團隊資源優化高齡長者血液透析低血壓照護認知率  
Yu-Fen Yang, Hui-Chung Tsai, Chiao-Jung Chen, Ching-I Yu, Wen-Chin Lee, Jin-Bor Chen  
楊育棻, 蔡蕙鍾, 陳嬌蓉, 俞靜儀, 李文欽, 陳靖博  
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高雄長庚紀念醫院 內科部 腎臟科
- C148** The Relationships Between Nutrition, Fatigue and Quality of Life in Patients Under Chronic Hemodialysis  
血液透析病人營養、疲憊、生活品質之相關性探討  
Chin-Ling Chiang<sup>1,2</sup>, Wen-Chuan Lin<sup>2</sup>, Chia-Ter Chao<sup>3</sup>  
姜金伶<sup>1,2</sup>, 林文絹<sup>2</sup>, 趙家德<sup>3</sup>  
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- C149** Using diversified strategies to reduce the incidence of dialysis hypotension among the elderly hemodialysis patients  
以多元化策略降低高齡長者血液透析低血壓發生率  
Baw-Ru Lu, Hui-Chung Tsai, Chien-Hua Chiu, Ching-I Yu, Wen-Chin Lee, Jin-Bor Chen  
盧寶如, 蔡蕙鍾, 邱千華, 俞靜儀, 李文欽, 陳靖博  
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高雄長庚紀念醫院 內科部 腎臟科
- C150** Ten years of experience about therapeutic plasmapheresis in National Taiwan University Hospital (NTUH)  
Yu-Jie Lin<sup>1</sup>, Tai-Shuan Lai<sup>1</sup>, Szu-Yu Pa<sup>2</sup>, Yu-Hsiang Chou<sup>3</sup>, Tao-Min Huang<sup>4</sup>  
Renal Division, Department of Internal Medicine, National Taiwan University Hospital, Taipei, Taiwan
- C151** Reduce the Overall Vascular Access Infection Rate in Hemodialysis Patient  
降低血液透析病人血管通路總感染密度  
Nai-Chi Kuo<sup>1</sup>, Hsin-Yu Liao<sup>1</sup>, Yu-Chuan Hsiao<sup>1</sup>, Ching-Yi Chen<sup>1</sup>, Ya-Ping Chang<sup>1</sup>  
郭乃縉<sup>1</sup>, 廖欣瑜<sup>1</sup>, 蕭玉專<sup>1</sup>, 陳靜怡<sup>1</sup>, 張雅萍<sup>1</sup>  
<sup>1</sup>Douliou Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation Department of Nursing  
<sup>1</sup>佛教斗六慈濟醫院護理單位血液透析



- C152** Arrhythmia As A Risk Factor of Non-tunneled Central Venous Catheter Failure  
Kao-An Leu<sup>1</sup>, Hsueh-Ping Peng<sup>2</sup>, Chung-Kuan Wu<sup>3,4,5</sup>  
呂高安<sup>1</sup>, 彭雪萍<sup>2</sup>, 吳重寬<sup>3,4,5</sup>  
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- C153** Application of Population Medicine in High Risk Hemodialysis Patients Associated with Improved Outcomes  
Tung-Lin Tsai<sup>1</sup>, Chih-Chin Kao<sup>1</sup>, Fang-Te Chao<sup>1</sup>  
<sup>1</sup>Division of Nephrology, Department of Internal Medicine, Taipei Medical University Hospital, Taipei, Taiwan
- C154** Measuring Quality of Life in Hemodialysis Patients Impacting  
血液透析腎友生活品質測量之探討  
Chen-Wei Chen<sup>1</sup>, Ie-Ching Hu<sup>1</sup>, Te-Hui Kuo<sup>2</sup>  
陳珍緯<sup>1</sup>, 侯玉琴<sup>1</sup>, 唐佩芳<sup>1</sup>, 郭德輝<sup>2</sup>  
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國立成功大學醫學院附設醫院 <sup>1</sup>護理部、<sup>2</sup>腎臟科，台灣
- C155** The association of denosumab use and the risks of cardiovascular events in hemodialysis patients  
保骼麗使用和血液透析患者的心血管事件  
Lung-Chih Li<sup>1</sup>, Tsuen-Wei Hsu<sup>1</sup>, Chiang-Chi Huang<sup>1</sup>, Chia-An Chou<sup>1</sup> and Chien-Ning Hsu<sup>2</sup>  
李隆志<sup>1</sup>, 許淳惟<sup>1</sup>, 黃鏘錡<sup>1</sup>, 周嘉安<sup>1</sup>, 許茜甯<sup>2</sup>  
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- C156** Shared decision-making in hemodialysis patients with Hyperphosphatemia – An example of Southern medical center  
SDM 介入血液透析病人高血磷之執行現況 - 南台灣某醫學中心為例  
Yi-Chun Sung<sup>1</sup>, Tung-Sui Yeh<sup>1</sup>, Shih-Ming Hsiao<sup>1</sup>, Chiu-Hui Tsai<sup>1</sup>, Yu-Ying Huang<sup>1</sup>, Yi-Wen Chiu<sup>2</sup>  
宋藝君<sup>1</sup>, 葉冬穗<sup>1</sup>, 蕭仕敏<sup>1</sup>, 蔡秋蕙<sup>1</sup>, 黃玉瑩<sup>1</sup>, 邱怡文<sup>2</sup>  
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- C157** Percutaneous coronary intervention in dialysis patient may decrease intradialytic hypotension  
經皮冠狀動脈介入手術可降低透析中低血壓的發生率  
Tzu-Shan Huang<sup>1</sup>, Jian-An, Wang<sup>2</sup>, Zheng-Zhe Wu<sup>3</sup>, Yu Huang Chiu<sup>1</sup>, Wei-Ren Lin<sup>1</sup>, Po-wei Chen<sup>1</sup>, Junne-Ming Sung<sup>1</sup>, Ming-Cheng Wang<sup>1</sup>, Chin-Chung Tseng<sup>1</sup>, Kuan-Hung Liu<sup>1</sup>  
黃子珊<sup>1</sup>, 王健安<sup>2</sup>, 吳政哲<sup>3</sup>, 邱裕桓<sup>1</sup>, 林威任<sup>1</sup>, 陳柏偉<sup>1</sup>, 宋俊明<sup>1</sup>, 王明誠<sup>1</sup>, 曾進忠<sup>1</sup>, 劉冠宏<sup>1</sup>  
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- C158** Care of Hemodialysis Patients Taking Low-dose <sup>131</sup>I \_The Regional Hospital Experience  
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Feng-Mei WU, A-Jhen LI  
吳鳳美, 李阿真  
Hanming Christian Hospital hemodialysis center  
漢銘基督教醫院 血液透析中心
- C159** Weekly Timing Matters: Impact of Dialysis Day on Intradialytic Hypotension with Mediation analysis  
透析中低血壓與透析日的關聯性和中介因子分析  
Ying-Hsuan Lin<sup>1</sup>, Wei-Ren Lin<sup>1</sup>, Chia-Chun Lee<sup>1</sup>, Yu-Huan Chiu<sup>1</sup>, Zheng-Zhe Wu<sup>2</sup>, Yu-Hsuan Yang<sup>1</sup>, Hui-Lin Guo<sup>1</sup>, Junne-Ming Sung<sup>1</sup>, Ming-Cheng Wang<sup>1</sup>, Chin-Chung Tseng<sup>1</sup>, Kuan-Hung Liu<sup>1</sup>  
林盈萱<sup>1</sup>, 林威任<sup>1</sup>, 李佳駿<sup>1</sup>, 邱裕桓<sup>1</sup>, 吳政哲<sup>2</sup>, 楊育璿<sup>1</sup>, 郭慧琳<sup>1</sup>, 宋俊明<sup>1</sup>, 王明誠<sup>1</sup>, 曾進忠<sup>1</sup>, 劉冠宏<sup>1</sup>  
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- C160** Information system integrates dialysis shunt ultrasound image data management  
資訊化系統整合透析瘻管超音波影像資料管理  
郭慧如, 陳嬌蓉, 李佳諺, 俞靜儀, 梁鴻華, 傅崇銘, 李文欽  
Division of Nephrology, Department of Internal Medicine, Kaohsiung Chang-Gung Memorial Hospital  
高雄長庚醫院 腎臟科



- C161** Experience in using continuous pre-pump arterial pressure monitoring in hemodialysis  
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Tsui-Ling Lin<sup>1</sup>, Yi-Ling Hsieh<sup>1</sup>, Fong-Shung Huang<sup>3</sup>, Hui-Ting Liu<sup>1</sup>, Ching-Wen Lee<sup>2</sup>, Chun-Fu Lai<sup>2</sup>  
林翠玲<sup>1</sup>, 謝易玲<sup>1</sup>, 黃鳳雄<sup>3</sup>, 劉蕙婷<sup>1</sup>, 李慶玟<sup>1</sup>, 賴俊夫<sup>2</sup>  
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- C162** Uric acid predicts all-cause mortality in patients with hemodialysis differs between high and low Charlson's index  
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Sheng-Wen Niu<sup>1,2,3</sup>, Hugo Y. -H. Lin<sup>1,2,3</sup>, I-Ching Kuo<sup>1,2,3</sup>, Yi-Wen Chiu<sup>2,3</sup>, Shang-Jyh Hwang<sup>2,3</sup>, Jer-Ming Chang<sup>2,3\*</sup>, and Chi-Chih Hung<sup>2,3\*</sup>  
鈕聖文<sup>1,2,3</sup>, 林祐賢<sup>1,2,3</sup>, 郭宜瑾<sup>1,2,3</sup>, 邱怡文<sup>2,3</sup>, 黃尚志<sup>2,3</sup>, 張哲銘<sup>2,3\*</sup>, 洪啟智<sup>2,3\*</sup>  
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- C163** The effect of increasing influenza vaccination rate in hemodialysis patients  
提升血液透析病人流感疫苗施打率之成效  
Chen-Ying Hou<sup>1</sup>, Yeh-Chen<sup>1</sup>, Huai-Hsuan Chang<sup>1</sup>, Yu-Wen Chiu<sup>1</sup>, Yi-Hsiu Lin<sup>1</sup>, Chen-Wei Chen, Te-Hui Kuo<sup>2</sup>  
侯震纓<sup>1</sup>, 陳燁<sup>1</sup>, 張懷萱<sup>1</sup>, 邱郁雯<sup>1</sup>, 林怡秀<sup>1</sup>, 陳珍緯<sup>1</sup>, 郭德輝<sup>2</sup>  
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- C164** A study on the Relationship Between Self-Health Management and Blood Phosphate Level in Hemodialysis Patients  
血液透析病人健康自我管理與血磷數值的相關性研究  
盧惠敏, 程音, 楊素  
亞東紀念醫院護理部

- C165** Association of the vascular access flow with echocardiographic parameters in hemodialysis patients with heart failure and reduced ejection fraction  
 血液透析病患合併低收縮分率心衰竭之血管通路血流與心臟超音波參數之相關性  
 Ya-Han Fu<sup>1,2</sup>, Chih-Ching Lin<sup>1,2</sup>  
 傅雅涵<sup>1,2</sup>, 林志慶<sup>1,2</sup>  
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<sup>1</sup> 台北榮民總醫院內科部腎臟科, <sup>2</sup> 國立陽明交通大學
- C166** Ultrasound Aids in Reducing Unnecessary Angiography for Arteriovenous Fistula Patients  
 以超音波輔助動靜脈瘻管評估以減少不必要的血管攝影  
 Ting-Ya Wang<sup>1</sup>, Ting Chen<sup>1</sup>, Chih-Yu Yang<sup>1,2</sup>  
 王亭雅<sup>1</sup>, 陳婷<sup>1</sup>, 楊智宇<sup>1,2</sup>  
<sup>1</sup> 臺北榮民總醫院腎臟科 <sup>2</sup> 國立陽明交通大學醫學院
- C167** Exploring the Effectiveness of Exercise Training on Vascular Access in Hemodialysis Patients  
 血液透析病人運動訓練對血管通路成效探討  
 程音, 盧惠敏, 楊素  
 亞東記念醫院護理部
- C168** The Application and Effectiveness of Decision Support Tools in Shared Decision-Making for Severe Secondary Hyperparathyroidism in Hemodialysis Patients.  
 決策輔助工具在血液透析重度副甲狀腺亢進病人醫病共享決策之應用成效  
 黃瓊珮<sup>1</sup>, 顏綠蓉<sup>1</sup>, 莊佳音<sup>1</sup>, 楊千儀<sup>1</sup>, 馬宗良<sup>2</sup>  
 Chiang-Pei Huang<sup>1</sup>, Lu-Jung Yen<sup>1</sup>, Chia-Yin Chuang<sup>1</sup>, Chien-Yi Yang<sup>1</sup>, Tsung-Liang Ma<sup>2</sup>  
 戴德森醫療財團法人嘉義基督教醫院 血液透析室<sup>1</sup>, 腎臟科<sup>2</sup>  
<sup>1</sup>Hemodialysis center, <sup>2</sup> Department of Nephrology, Ditmanson Medical Foundation Chiayi Christian Hospital, Chia-Yi, Taiwan
- C169-C174** Chair(s): 鄭本忠 / Ben-Chung Cheng、陳怡婷 / Yi-Ting Chen
- C169** The Impact of Hyperphosphatemia on 2-Year Survival in Elderly Hemodialysis Patients  
 高血磷對老年血液透析患者 2 年存活率的影響  
 Tz-Heng Chen<sup>1,2</sup>, Yuan-Chia Chu<sup>3</sup>, Hsin-Ling Tai<sup>4</sup>, Der-Cherng Tarn<sup>5</sup>  
 程子珩<sup>1,2</sup>, 朱原嘉<sup>3</sup>, 戴辛翎<sup>4</sup>, 唐德成<sup>5</sup>  
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- C170** Using intelligent systems to improve the number of errors in dehydration volume setting for hemodialysis patients  
運用智能系統改善血液透析病人脫水量設定錯誤發生次數  
Yuan-Fang Chen<sup>1</sup>, Yu-Mei Yang<sup>1</sup>, Yuh-Feng Wu<sup>1</sup>, Li-Ching Chen<sup>1</sup>, Jun-Jie Cai<sup>2</sup>  
陳筠芳<sup>1</sup>, 楊玉美<sup>1</sup>, 吳玉鳳<sup>1</sup>, 陳麗菁<sup>1</sup>, 蔡俊傑<sup>2</sup>  
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<sup>1</sup> 彰化基督教醫院血液透析室 <sup>2</sup> 彰化基督教醫院腎臟內科
- C171** Heterotopic Ossification — A Rare Complication in Hemodialysis Patients : A Case Report  
血液透析合併罕見異位性骨化症：案例報告  
何欣怡<sup>1</sup>, 連美琪<sup>1</sup>, 黃玉瑩<sup>1</sup>, 邱怡文<sup>2</sup>, 郭美娟<sup>2</sup>  
Ho-Shin-Yi<sup>1</sup>, Mei-Chi Lian<sup>1</sup>, Yu-Ying Huang<sup>1</sup>, Yi-Wen Chiu<sup>2</sup>, Mei-Chuan Kuo<sup>2</sup>  
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- C172** Electronic Whiteboard Construction Improves Inpatient Hemodialysis Care Workflow  
電子白板建置改善住院血液透析照護工作流程  
Yu-Mei Yang<sup>1</sup>, Yu-feng Wu<sup>1</sup>, Li-Ching Chen<sup>1</sup>, Jun-Jie Cai<sup>2</sup>  
楊玉美<sup>1</sup>, 吳玉鳳<sup>1</sup>, 陳麗菁<sup>1</sup>, 蔡俊傑<sup>2</sup>  
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- C173** Use health literacy strategies to produce health education leaflets to enhance awareness of daily dialysis care  
使用健康識能策略製作衛教單張以提升透析日常照護認知  
Ya-Hui Wu<sup>1</sup>, Chen-Wei Chen<sup>1</sup>, le-Ching Hu<sup>1</sup>, Chen-Ying Hou<sup>1</sup>, Wei-Ning Yeh<sup>1</sup>, Te-Hui Kuo<sup>2</sup>  
吳雅惠<sup>1</sup>, 陳珍緯<sup>1</sup>, 侯玉琴<sup>1</sup>, 侯震纓<sup>1</sup>, 葉惟甯<sup>1</sup>, 郭德輝<sup>2</sup>  
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- C174** To explore whether patients who eat during dialysis have a higher chance of developing hypotension?  
探討透析中進食的病人，發生低血壓的機率是否比較高？  
Shiau-Min Lin<sup>1</sup>, Yu-Ying Huang<sup>1</sup>, Mei-Chuan Kuo<sup>2</sup>  
林小閔<sup>1</sup>, 黃玉瑩<sup>1</sup>, 郭美娟<sup>2</sup>  
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## Peritoneal Dialysis and Telehealth

C175-C192 Chair(s): 鄭本忠 / Ben-Chung Cheng、陳怡婷 / Yi-Ting Chen

### C175 The Correlation Among Health Literacy, Self-Management Behaviors and Adequacy of Dialysis in Peritoneal Dialysis Patients

腹膜透析病人健康識能、自我管理行為與適量透析指標之相關性探討

劉嘉琳<sup>1</sup>, 蔡任弼<sup>2</sup>, 徐邦治<sup>3</sup>, 洪思群<sup>4</sup>

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<sup>4</sup> 台北慈濟醫院腎臟科

### C176 Using nursing assessment to improve the effectiveness of dialysis treatment

運用護理評估提升透析治療效益

Pin-Han Hsia<sup>1</sup>, Hsiu-Wen Changchein<sup>1</sup>, Ching-I Cheng<sup>1</sup>, Woan-Jean Lin<sup>1</sup>, Shu-Neng Chueh<sup>1</sup>, Hui-Ting Liu<sup>1</sup>, Yi-Ting Chen<sup>2,3</sup>, Shao-Yu Yang<sup>3</sup>, Chih-Kang Chiang<sup>2,3</sup>

夏賓含<sup>1</sup>, 張簡綉雯<sup>1</sup>, 鄭靜宜<sup>1</sup>, 林琬真<sup>1</sup>, 闕淑能<sup>1</sup>, 劉蕙婷<sup>1</sup>, 陳怡婷<sup>2,3</sup>, 楊紹佑<sup>3</sup>, 姜至剛<sup>2,3</sup>

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### C177 Improving peritoneal dialysis patients' non-emergency self-care abilities at home

提升腹膜透析病人非緊急事件居家自我照顧能力

Woan-Jean Lin<sup>1</sup>, Ching-I Cheng<sup>1</sup>, Shu-Neng Chueh<sup>1</sup>, Hui-Ting Liu<sup>1</sup>, Ching-Wen Lee<sup>1</sup>, Yi-Ting Chen<sup>2,3</sup>, Chih-Kang Chiang<sup>2,3</sup>

林琬真<sup>1</sup>, 鄭靜宜<sup>1</sup>, 闕淑能<sup>1</sup>, 劉蕙婷<sup>1</sup>, 李慶玟<sup>1</sup>, 陳怡婷<sup>2,3</sup>, 姜至剛<sup>2,3</sup>

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- C178** Exploring the correlation between initial peritoneal function test and the prognosis of peritoneal dialysis patients  
探討初次腹膜功能測試對腹膜透析病患預後之相關性  
Woan-Jean Lin<sup>1</sup>, Ching-I Cheng<sup>1</sup>, Shu-Neng Chueh<sup>1</sup>, Hui-Ting Liu<sup>1</sup>, Ching-Wen Lee<sup>1</sup>, Yi-Ting Chen<sup>2,3</sup>, Vin-Cent Wu<sup>3</sup>, Chih-Kang Chiang<sup>2,3</sup>  
林琬真<sup>1</sup>, 鄭靜宜<sup>1</sup>, 闕淑能<sup>1</sup>, 劉蕙婷<sup>1</sup>, 李慶玟<sup>1</sup>, 陳怡婷<sup>2,3</sup>, 吳允升<sup>3</sup>, 姜至剛<sup>2,3</sup>  
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- C179** Utilizing remote patient management to improve the care of peritoneal dialysis patients  
應用遠端病患管理系統提升腹膜透析病人照護  
Juei-Hsin Hsu<sup>1</sup>, Ching-I Cheng<sup>1</sup>, Shu-Neng Chueh<sup>1</sup>, Hui-Ting Liu<sup>1</sup>, Yi-Ting Chen<sup>2,3</sup>, Chih-Kang Chiang<sup>2,3</sup>  
徐睿忻<sup>1</sup>, 鄭靜宜<sup>1</sup>, 闕淑能<sup>1</sup>, 劉蕙婷<sup>1</sup>, 陳怡婷<sup>2,3</sup>, 姜至剛<sup>2,3</sup>  
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- C180** Experience in caring for patients with peritoneal diaphragm leakage in a medical center in Southern District  
南區某醫學中心腹膜透析橫膈膜滲漏病人之照護經驗  
Chiu-Hui Tsai<sup>1</sup>, Hsin-Wen Hsu<sup>1</sup>, Shu-Li Wang<sup>1</sup>, Chih-Chuan Yan<sup>1</sup>, Chin-Huei Hsu<sup>1</sup>, Wei-Chen Chen<sup>1</sup>, Yu-Ying Huang<sup>1</sup>  
蔡秋蕙<sup>1</sup>, 許馨文<sup>1</sup>, 王淑麗<sup>1</sup>, 顏志娟<sup>1</sup>, 許錦惠<sup>1</sup>, 陳韋蓁<sup>1</sup>, 黃玉瑩<sup>1</sup>  
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<sup>1</sup> 高雄醫學大學附設中和紀念醫院護理部
- C181** Improve the incidence of peritonitis in peritoneal dialysis  
改善腹膜透析病人腹膜炎發生率  
蔣美蘭, 陳琬君  
屏東基督教醫院腹膜透析室



- C182** False Positive Galactomannan Antigenemia is Associated with Icodextrin Dialysate in Patients Undergoing Peritoneal Dialysis: a Single-Center Experience Case Series  
 半乳甘露聚醣抗原檢測偽陽性與腹膜透析病患使用愛多尼爾透析液有關  
Tyng-shiuan Gau<sup>1</sup>, Wei Wang<sup>1</sup>, Pao-Yu Chen<sup>2</sup>, Yu-Shan Huang<sup>2</sup>, Yi-Ting Chen<sup>1,5</sup>, Chih-Kang Chiang<sup>1,5</sup>, Shuei-Liong Lin<sup>1,6</sup>, Yu-Hsiang Chou<sup>1</sup>  
 高廷瑄<sup>1</sup>, 王瑋<sup>1</sup>, 陳抱宇<sup>1</sup>, 黃于珊<sup>1</sup>, 陳怡婷<sup>1,3</sup>, 姜至剛<sup>1,3</sup>, 林水龍<sup>1,4</sup>, 周鈺翔<sup>1</sup>  
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- C183** Comparative Clinical Outcomes of Peritoneal Dialysis and Hemodialysis in Elderly Patients with End-Stage Kidney Disease: A Nationwide Cohort Study  
 末期腎病老年患者進行腹膜透析與血液透析比較結果：台灣人口之世代研究  
Yu-Kai Peng<sup>1</sup>, Chieh-Li Yen<sup>1</sup>, Yung-Chang Chen<sup>1</sup>, Ji-Tseng Fang<sup>1</sup>, Huang-Yu Yang<sup>1</sup>  
 彭昱凱<sup>1</sup>, 顏介立<sup>1</sup>, 陳永昌<sup>1</sup>, 方基存<sup>1</sup>, 楊皇煜<sup>1</sup>  
<sup>1</sup> Nephrology Department, Linkou Chang Gung Memorial Hospital  
<sup>1</sup> 林口長庚醫院腎臟科
- C184** Positive correlation of serum indoxyl sulfate level with peripheral artery stiffness by cardio-ankle vascular index in peritoneal dialysis patients  
 血清硫酸吲哚濃度跟腹膜透析患者以心踝血管指數測量週邊動脈硬度有關  
Yu-Chi Chang<sup>1</sup>, Chih-Hsien Wang<sup>1,2</sup>, Hung-Hsiang Liou<sup>3</sup>, Bang-Gee Hsu<sup>1,2</sup>  
 張宇祺<sup>1</sup>, 王智賢<sup>1,2</sup>, 劉宏祥<sup>3</sup>, 徐邦治<sup>1,2</sup>  
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- C185** Optimizing Peritoneal Dialysis Re-Implantation with the Hybrid Method: A Retrospective Analysis of Enhanced Outcomes  
 Hybrid Method 在腹膜透析重新植管可行性之探討  
 Li-Chuan Chen<sup>1</sup>, Meei-Chyi Guo<sup>2</sup>, Hui-Ping Hsiao<sup>3</sup>, Yi-Ching Chang<sup>4</sup>, Pei-Ying Chen<sup>5</sup>, Shu-Ai Lin<sup>6</sup>, Hui-Wen Kao<sup>7</sup>, Suh-Huey Ke<sup>8</sup>, Jiu-Yun Tian<sup>9</sup>, Chiung-Yu Shih<sup>10</sup>, Meei-Ju Wu<sup>11</sup>, Hsin-Ling Tai<sup>12</sup>  
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- C186** Reducing the Incidence of Peritonitis in Peritoneal Dialysis Patients  
降低腹膜透析病人腹膜炎發生率  
鄭玉滿<sup>1</sup>, 江如芬<sup>2</sup>, 盧惠敏<sup>2</sup>  
亞東紀念醫院腹膜透析室<sup>1</sup>, 亞東紀念醫院血液透析室<sup>2</sup>
- C187** The correlation between Icodextrin and peritoneal patient fluid overload -  
Retrospective of the peritoneal dialysis room experience of a Central Medical  
Center  
Icodextrin 與腹膜透析病患液體過多之相關性 - 某中區醫學中心腹膜透析室經驗回  
溯  
Yi-Hua Chang<sup>1</sup>, Hsiu-Yen Lin<sup>1</sup>, Chun-Yan Hsu<sup>1</sup>, Huei-Fong Tai<sup>1</sup>, Li-Ching Chen<sup>1</sup>,  
Chia-Lin Wu<sup>2</sup>  
張宜驊<sup>1</sup>, 林秀姻<sup>1</sup>, 許春燕<sup>1</sup>, 蔡慧鳳<sup>1</sup>, 陳麗菁<sup>1</sup>, 吳家麟<sup>2</sup>  
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- C188** Using Smart Medicine To Improve Peritoneal Dialysis Quality Care  
運用智慧科技提升腹膜透析照護品質  
Hsin-Lin Peng<sup>1</sup>, Li -Chuan Kuo<sup>1</sup>, Ying-Wen Chi<sup>1</sup>  
彭杏林<sup>1</sup>, 郭琍娟<sup>1</sup>, 紀穎雯<sup>1</sup>  
Tri-Service General Hospital Nephrology  
三軍總醫院腎臟科
- C189** Reducing delayed automated PD utilization in hospitalized peritoneal dialysis  
patients  
降低腹膜透析住院病人 APD 延遲使用異常件數  
王麗娥<sup>1</sup>, 盧惠敏<sup>2</sup>, 程音<sup>3</sup>  
亞東紀念醫院腹膜透析<sup>1</sup>, 亞東紀念醫院血液透析室<sup>2</sup>, 亞東紀念醫院護理部<sup>3</sup>
- C190** Nursing Experience of Using Shared Decision Making to Care an End-Stage  
Renal Disease Elderly Patient Facing the Choice of Dialysis Modality  
運用共享決策於高齡末期腎病病人面對透析抉擇的護理經驗  
劉寶玲<sup>1</sup>, 戴辛翎<sup>2</sup>  
高雄醫學大學附設中和紀念醫院 護理部<sup>1</sup>  
台北榮民總醫院 護理部<sup>2</sup>
- C191** Using multimedia teaching and video platforms to promote the peritoneal dialysis  
patients for self-health management in nursing experience  
運用即時通訊軟體視訊平台提升初次面臨腹膜透析患者自我照顧之護理經驗  
Shu-Chin.Yang, Ching-TanCheng, Yueh-Ting Lee, Shang-Chih Liao,-Chien-Te  
Lee  
楊淑津, 鄭晶丹, 李岳庭, 廖上智, 李建德  
Kaohsiung Municipal Feng Shan Hospital - Under the management of Chang  
Gung Medical Foundation  
高雄市立鳳山醫院 (委託長庚醫療財團法人經營)



**C192** Continuous tracking the correctness of hand washing among peritoneal dialysis patients

持續追蹤腹膜透析病人洗手正確性

Li-Chiung Yang<sup>1</sup>, Mei-Chih Hu<sup>1</sup>, Lan-Yen Chen<sup>1</sup>, Ya-Hui Lai<sup>2</sup>, Ching-Wei Wang<sup>1</sup>, Yueh-Feng Tsai<sup>1</sup>, Ting-Yi Wang<sup>1</sup>, Li-Hsueh Huang<sup>1</sup>

楊麗瓊<sup>1</sup>, 胡美枝<sup>1</sup>, 陳蘭燕<sup>1</sup>, 賴雅惠<sup>2</sup>, 王景薇<sup>1</sup>, 蔡岳峰<sup>1</sup>, 王婷翊<sup>1</sup>, 黃麗雪<sup>1</sup>

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**C193-C204** Chair(s): 徐世平 / Shih-Ping Hsu、吳家麟 / Chia-Lin Wu

**C193** Analysis on peritonitis in peritoneal dialysis patients

腹膜透析病人再發生腹膜炎相關分析

Yu-Ting LIN<sup>1</sup>, Hui-Zhen RUAN<sup>2</sup>

林玉婷<sup>1</sup>, 阮慧珍<sup>2</sup>

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**C194** Sharing experience in assisting the elderly to complete peritoneal dialysis fluid exchange training

協助長者完成腹膜透析換液訓練之經驗分享

Mei-Chih Hu<sup>1\*</sup>, Lan-Yen Chen<sup>1</sup>, Li-Chiung Yang<sup>1</sup>, Li-Hsueh Huang<sup>1</sup>

胡美枝<sup>1\*</sup>, 陳蘭燕<sup>1</sup>, 楊麗瓊<sup>1</sup>, 黃麗雪<sup>1</sup>

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<sup>1</sup> 台南新樓醫院 血液透析中心

**C195** Peritoneal dialysis nurses-coached shared-decision making facilitates the implementation of dialysis catheter implantation

腹膜透析治療師主動參與的醫病共享決策促進了透析導管植入的實施

Chien-Hsiu Liu, Chin-Ju Cheng, Mei-Ying Wu, Fu-Lin Chang, Chao-Chuan Lee, Tsuen-Wei Hsu, Ben-Chung Cheng, Wen-Chin Lee

劉建秀, 鄭錦如, 吳美瑩, 張富玲, 李昭娟, 許淳惟, 鄭本忠, 李文欽

Division of Nephrology, Department of Internal Medicine, Kaohsiung Chang Gung Memorial Hospital

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- C196** Results of using the BSRS-5 for initially screening psychiatric symptoms and implementing timely interventions in patients undergoing peritoneal dialysis  
以簡式健康量表初篩腹膜透析病人精神症狀與及時介入之結果  
Pei-Jung Wu<sup>1</sup>, Yung-chu Yang<sup>1</sup>, Hsueh-Chi Chou<sup>1</sup>, Mei-Hsien Wu<sup>1</sup>, Hui-Ying Lin<sup>1</sup>, Hsin-Chun Tsai<sup>1</sup>, Chen-Wei Chen<sup>1</sup>, Chin-Chung Tseng<sup>2</sup>, Jo-Yen Chao<sup>2</sup>  
吳佩蓉<sup>1</sup>, 楊詠筑<sup>1</sup>, 周雪琦<sup>1</sup>, 吳美賢<sup>1</sup>, 林惠瑛<sup>1</sup>, 蔡幸鏞<sup>1</sup>, 陳珍緯<sup>1</sup>, 曾進忠<sup>2</sup>, 趙若雁<sup>2</sup>  
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- C197** Health education on hyperphosphatemia in peritoneal dialysis patients  
腹膜透析患者高血磷衛教  
Lan-yen Chen<sup>1\*</sup>, Mei-chih Hu<sup>1</sup>, Yueh-Feng Tsai<sup>1</sup>, Ting-Yi Wang<sup>1</sup>, Ching-Wei Wang<sup>1</sup>, Li-Hsueh Huang<sup>1</sup>, Li-chiung Yang<sup>1</sup>  
陳蘭燕<sup>1</sup>, 胡美枝<sup>1</sup>, 蔡岳峰<sup>1</sup>, 王婷翊<sup>1</sup>, 王景薇<sup>1</sup>, 黃麗雪<sup>1</sup>, 楊麗瓊<sup>1</sup>  
<sup>1</sup>Dialysis Center, Tainan Sin Lau Hospital, Tainan, Taiwan  
<sup>1</sup> 台南新樓醫院血液透析中心
- C198** Enhancing the choice of peritoneal dialysis by pre-ESRD education program  
探討腹膜透析與提升照護品質計畫之成效  
Ya Ling Chen, Fang Lieng Yeh, Ling Juang, Hsin Lin Peng, Li Chuan Kuo, Ying Wen Chi  
陳雅玲, 葉芳伶, 姜菱, 彭杏林, 郭琍娟, 紀穎雯  
Tri-Service General Hospital Nephrology  
三軍總醫院腎臟科
- C199** Peritoneal dialysis-related tunnel infection caused by Dermabacter hominis  
由 Dermabacter hominis 引起之腹膜透析相關隧道感染  
Hui-Ying Lin<sup>1</sup>, Wen-Chun Chen<sup>1</sup>, Hsueh-Chi Chou<sup>1</sup>, Pei-Jung Wu<sup>1</sup>, Mei-Hsien Wu<sup>1</sup>, Yung-Chu Yang<sup>1</sup>, Hsin-Chun Tsai<sup>1</sup>, Hsiu-Lien Hsu<sup>1</sup>, Chen-Wei Chen<sup>1</sup>, Jo-Yen Chao<sup>2</sup>, Chin-Chung Tseng<sup>2</sup>, Ming-Cheng Wang<sup>2</sup>  
林惠瑛<sup>1</sup>, 陳雯君<sup>1</sup>, 周雪琦<sup>1</sup>, 吳佩蓉<sup>1</sup>, 吳美賢<sup>1</sup>, 楊詠筑<sup>1</sup>, 蔡幸鏞<sup>1</sup>, 徐秀蓮<sup>1</sup>, 陳珍緯<sup>1</sup>, 趙若雁<sup>2</sup>, 曾進忠<sup>2</sup>, 王明誠<sup>2</sup>  
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國立成功大學醫學院附設醫院 <sup>1</sup> 護理部、<sup>2</sup> 內科部腎臟科

- C200** Investigation for the bacterial virulence factors associated with clinical severity of staphylococcal peritonitis in peritoneal dialysis patients  
與腹膜透析患者葡萄球菌性腹膜炎臨床嚴重程度有關的細菌毒力因素之研究  
Chia-Chun Lee<sup>1</sup>, Jo-Yen Chao<sup>1</sup>, Te-Hui Kuo<sup>1</sup>, Wei-Ren Lin<sup>1</sup>, Kuan-Hung Liu<sup>1</sup>, An-Bang Wu<sup>1</sup>, Yu-tzu Chang<sup>1</sup>, Ming-Cheng Wang<sup>1</sup>, Junne-Ming Sung<sup>1</sup>, Jenn-Wei Chen<sup>2</sup>, Chin-Chung Tseng<sup>1</sup>  
李佳駿<sup>1</sup>, 趙若雁<sup>1</sup>, 郭德輝<sup>1</sup>, 林威任<sup>1</sup>, 劉冠宏<sup>1</sup>, 吳安邦<sup>1</sup>, 張育誌<sup>1</sup>, 王明誠<sup>1</sup>, 宋俊明<sup>1</sup>, 陳振暉<sup>2</sup>, 曾進忠<sup>1</sup>  
Division of Nephrology<sup>1</sup>, National Cheng Kung University Hospital and Department of Microbiology and Immunology<sup>2</sup>, College of Medicine, National Cheng Kung University  
國立成功大學醫學院附設醫院腎臟科<sup>1</sup> 及微生物學科暨微生物及免疫學研究所<sup>2</sup>
- C201** Overview of Sharesource Flag Alerts and Event in PD-related infection patients  
腹膜透析相關感染合併症病人 Sharesource 警訊與事件概況  
Hsueh-Chi Chou<sup>1</sup>, Hsin-Chun Tsai<sup>1</sup>, Pei-Jung Wu<sup>1</sup>, Mei-Hsien Wu<sup>1</sup>, Yung-Chu Yang<sup>1</sup>, Hsiu-Lien Hsu<sup>1</sup>, Chen-Wei Chen<sup>1</sup>, Chin-Chung Tseng<sup>2</sup>, Jo-Yen Chao<sup>2</sup>  
周雪琦<sup>1</sup>, 蔡幸諄<sup>1</sup>, 吳佩蓉<sup>1</sup>, 吳美賢<sup>1</sup>, 楊詠筑<sup>1</sup>, 徐秀蓮<sup>1</sup>, 陳珍緯<sup>1</sup>, 曾進忠<sup>2</sup>, 趙若雁<sup>2</sup>  
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- C202** Proteomic analysis from peritoneal dialysis effluent-derived extracellular vesicles in patients with ultrafiltration failure  
腹膜透析患者發生脫水不良之腹膜液外泌體蛋白質體分析研究  
Chi-Wei Shih<sup>1</sup>, Shih-Hua Lin<sup>1</sup>, Yu-Juei Hsu<sup>1</sup>, Shun-Neng Hsu<sup>1</sup>, Chih-Chien Sung<sup>1</sup>  
石濟維<sup>1</sup>, 林石化<sup>1</sup>, 許育瑞<sup>1</sup>, 許舜能<sup>1</sup>, 宋志建<sup>1</sup>  
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<sup>1</sup> 國防醫學院三軍總醫院腎臟內科
- C203** Early failure in patient with peritoneal dialysis: a single center experience  
腹膜透析病人早期流失的原因探討：以南部某區域醫院為例  
Chiang-Pei Huang<sup>1</sup>, Wan-Chen Chang<sup>1</sup>, Hsiag-Chun Chen<sup>1</sup>, Yuh-Ru Liu<sup>2</sup>, Pei-Chun Chiang<sup>2</sup>  
黃瓊珮<sup>1</sup>, 章婉真<sup>1</sup>, 陳香君<sup>1</sup>, 劉育如<sup>2</sup>, 江培群<sup>2</sup>  
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戴德森醫療財團法人嘉義基督教醫院 血液淨化中心<sup>1</sup>, 腎臟內科<sup>2</sup>

**C204** Clinical and Laboratory Features in Uremic Patients on Continuous Ambulatory Peritoneal Dialysis Before and After Parathyroidectomy

腹膜透析患者接受副甲狀腺切除手術之術前與術後的臨床和實驗數據特徵

Shun-Neng Hsu<sup>1</sup>, Pauling Chu, Shih-Hua Lin<sup>1</sup>

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## **Kidney Transplantation and Regeneration**

**C205-C207** Chair(s): 徐世平 / Shih-Ping Hsu、吳家麟 / Chia-Lin Wu

**C205** Serum trimethylamine N-oxide level is independently associated with peripheral artery disease in kidney transplantation patients

血清氧化三甲胺濃度跟腎臟移植患者週邊動脈阻塞性疾病有關

Ho-Hsiang Chang<sup>1</sup>, Han-Bin Boey<sup>1</sup>, Yen-Cheng Chen<sup>2,3</sup>, Bang-Gee Hsu<sup>1,2</sup>

張賀翔<sup>1</sup>, 倪漢斌<sup>1</sup>, 陳言丞<sup>2,3</sup>, 徐邦治<sup>1,2</sup>

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**C206** Short- and Long-Term Outcomes of Kidney Transplant Recipients with COVID-19 Infection

腎移植病人得到新型冠狀病毒肺炎的短期和長期表現

Chit Yong Ling<sup>1</sup>, Tung-Wei Hung<sup>1,2</sup>, Jung-Da Lian<sup>1</sup>, Horng-Rong Chang<sup>1,2</sup>, Pao-Yu Tsai<sup>1</sup>, Sheng-Wen Wu<sup>1,2</sup>

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<sup>2</sup> School of Medicine, Chung Shan Medical University, Taichung, Taiwan

- C207** Timing of steroid withdrawal and outcomes in kidney transplant recipients  
停用類固醇時效和腎臟移植受腎者的預後分析  
Lee-Moay Lim<sup>1,2,3</sup>, Wei-Shan Chang<sup>4</sup>, Ho-Yin Huang<sup>5,6</sup>, Ming-Yen Lin<sup>2,4</sup>, Hung-Tien Kuo<sup>2,3\*</sup>

林麗玫<sup>1,2,3</sup>, 張瑋珊<sup>4</sup>, 黃合吟<sup>5,6</sup>, 林明彥<sup>2,4</sup>, 郭弘典<sup>2,3\*</sup>

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### **Pediatric, Geriatric, Hospice, and Other Nephrology**

**C208-C210** Chair(s): 徐世平 / Shih-Ping Hsu、吳家麟 / Chia-Lin Wu

- C208** Risk of Sarcopenia, Frailty and Functional Performance in Older Adults with Pre-Dialysis Chronic Kidney Disease

未透析老年CKD病患之肌少症風險，衰弱和身體功能表現

Tzu-Hui Chen<sup>1</sup>, Shih-fen Hsiao<sup>3</sup>, Shu-Li Wang<sup>1</sup>, Lan-Fang Kung<sup>1</sup>, Pei-Ni Hsiao<sup>1</sup>, Yi-Chun Tsai<sup>2</sup>

陳慈徽<sup>1</sup>, 蕭世芬<sup>3</sup>, 王淑麗<sup>1</sup>, 龔蘭芳<sup>1</sup>, 蕭佩妮<sup>1</sup>, 蕭仕敏<sup>1</sup>, 蔡宜純<sup>2</sup>

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- C209** Choosing Wisely - NO ACT IS ACT

明智選擇 (Choosing Wisely): 你可以『不』洗腎 - NO ACT IS ACT

Chiu-Ying Hsiao, I-Ning Yang

蕭秋穎, 楊翼寧

Division of Nephrology, Department of Internal Medicine, Chi Mei Medical Center,

奇美醫學中心內科部腎臟科

**C210** Risk assessment of urinary tract stones in patients with spinal cord injury: a retrospective cohort study in Taiwan

脊髓損傷病人發生泌尿道結石的風險評估：台灣回溯型世代研究

Mei-Hua Cheng<sup>1</sup>, Kuo-Ting, Chang<sup>3</sup>, Meng-Hsuan, Hsieh<sup>2</sup>, Chen-Yi Wang<sup>1</sup>,  
Shu-O Chiang<sup>5</sup>, Wei-Jie Wang<sup>2,3,4</sup>

鄭美華<sup>1</sup>, 張國廷<sup>3</sup>, 謝孟璇<sup>2</sup>, 王貞懿<sup>1</sup>, 江淑娥<sup>5</sup>, 王偉傑<sup>2,3,4</sup>

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<sup>5</sup> 以斯帖統計顧問股份有限公司

## Infection Control and Vaccination in Kidney Diseases

**C211-C216** Chair(s): 徐世平 / Shih-Ping Hsu、吳家麟 / Chia-Lin Wu

**C211** Association of acute kidney injury and mortality in patients with gram positive cocci bacteremia

急性腎損傷與致死率在革蘭氏陽性球菌血症病患之相關性研究

Yuwen Hsueh<sup>1</sup>, Hong-Mou Shih<sup>1,2</sup>, Cheng-Jui Lin<sup>1,2</sup>, Chih-Jen Wu<sup>1,2</sup>

薛祐文<sup>1</sup>, 施宏謀<sup>1,2</sup>, 林承叡<sup>1,2</sup>, 吳志仁<sup>1,2</sup>

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**C212** Invasive listeriosis in chronic dialysis patients: a case series

末期腎疾病患者的侵襲性李斯特菌症：病例系列

Yi-Chun Liu<sup>1</sup>, Shuh-Kuan Liao<sup>1</sup>, Chao-Yu Chen<sup>1</sup>, Yueh-An Lu<sup>1</sup>, Yu-Jr Lin<sup>2</sup>, Kuan-Hsing Chen<sup>1</sup>, Chen-Chieh Hung<sup>1</sup>, Yung-Chang Chen<sup>1</sup>, Ya-Chung Tian<sup>1</sup>, Hsiang-Hao Hsu<sup>1</sup>

劉怡君<sup>1</sup>, 廖述寬<sup>1</sup>, 陳昭妤<sup>1</sup>, 呂悅安<sup>1</sup>, 林育志<sup>2</sup>, 陳冠興<sup>1</sup>, 洪振傑<sup>1</sup>, 陳永昌<sup>1</sup>,  
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<sup>2</sup> 長庚大學健康資料研究服務中心



- C213** Humoral Response Following a Fifth Dose of COVID-19 Vaccine and Breakthrough Infection in Patients on Peritoneal Dialysis  
腹膜透析病人接種第五劑新冠疫苗及突破性感染後的免疫體液反應分析  
Wan-Chuan Tsai, Kuei-Ting Tung, Kai-Hsiang Shu, Mei-Fen Pai, Hon-Yen Wu, Yen-Ling Chiu, Ju-Yeh Yang, Shih-Ping Hsu, Yu-Sen Peng  
蔡萬全, 董奎廷, 徐愷翔, 白玫芬, 吳泓彥, 邱彥霖, 楊如燁, 徐世平, 彭渝森  
Division of Nephrology, Department of Internal Medicine, Far Eastern Memorial Hospital  
亞東紀念醫院腎臟內科
- C214** Immune Humoral Response Following Receipt of a Fifth Dose of COVID-19 Vaccines and Breakthrough Infection among Patients Undergoing Hemodialysis  
探討血液透析病人接種第五劑新冠疫苗及突破性感染後的免疫體液反應  
Wan-Chuan Tsai, Mei-Fen Pai, Kuei-Ting Tung, Hon-Yen Wu, Yen-Ling Chiu, Ju-Yeh Yang, Kai-Hsiang Shu, Shih-Ping Hsu, Yu-Sen Peng  
蔡萬全, 白玫芬, 董奎廷, 吳泓彥, 邱彥霖, 楊如燁, 徐愷翔, 徐世平, 彭渝森  
Division of Nephrology, Department of Internal Medicine, Far Eastern Memorial Hospital  
亞東紀念醫院腎臟內科
- C215** The Efficacy of Multiple Strategies to Decrease Catheter-Associated Urinary Tract Infections in Nephrology ward.  
運用組合式策略降低腎臟科病房留置導尿管感染發生率  
Tang, T. J.<sup>1</sup>, Sun, W. N.<sup>2</sup>  
湯采儒<sup>1</sup>, 孫婉娜<sup>2</sup>  
<sup>1</sup>NCKUH, <sup>2</sup>NCKUH  
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- C216** The Efficacy of Multiple Strategies to Decrease Infection Rates of Renal Biopsy Patients.  
運用組合式策略降低腎臟切片病人感染率  
Lin, C. W.<sup>1</sup>, Sun, W. N.<sup>2</sup>  
林清雯<sup>1</sup>, 孫婉娜<sup>2</sup>  
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**C217-C222** Chair(s) : 顏宗海 / Tzung-Hai Yen、陳錫賢 / Hsi-Hsien Chen

**C217** Comparison of Short-term Adverse Events Following Monovalent and Bivalent mRNA SARS-CoV-2 Vaccines among Dialysis Patients

透析病人接種一價及二價 mRNA 新冠疫苗後短期不良事件的比較分析

Wan-Chuan Tsai, Yen-Ling Chiu, Hon-Yen Wu, Kai-Hsiang Shu, Mei-Fen Pai, Kuei-Ting Tung, Shih-Ping Hsu, Yu-Sen Peng, Ju-Yeh Yang

蔡萬全, 邱彥霖, 吳泓彥, 徐愷翔, 白玫芬, 董奎廷, 徐世平, 彭渝森, 楊如燁

Division of Nephrology, Department of Internal Medicine, Far Eastern Memorial Hospital

亞東紀念醫院腎臟內科

**C218** Preparedness and Contingency Planning in response to COVID-19 epidemic in peritoneal dialysis unit at a certain district teaching hospital in northern area of Taiwan

北部某區域教學醫院腹膜透析室因應 COVID-19 之整備

林彥君<sup>1</sup>, 盧尤娟<sup>1</sup>, 何妙純<sup>1</sup>, 謝宜蓁<sup>2</sup>

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**C219** The impact of self-protective measures on nephrology ward nursing personnel in the post-pandemic era

自我防疫措施對腎臟內科病房護理人員於後疫情時代確診之影響

<sup>1</sup>Ya-Wen Sung, <sup>2</sup>Yi-Fang Hsin, <sup>3</sup>Xiao-Ching Chen, <sup>4</sup>Jia-Chin Du, <sup>5</sup>Chung-Yu Wei

<sup>1</sup>宋雅雯, <sup>2</sup>辛怡芳, <sup>3</sup>陳筱晴, <sup>4</sup>杜嘉秦, <sup>5</sup>魏崇宇

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**C220** The bacterial characteristics and antibiotics resistance of Klebsiella pneumoniae isolated from diabetic patients from a medical center in Southern Taiwan

克雷伯氏肺炎桿菌感染之細菌特性、致病因子及抗生素抗藥性與糖尿病之相關分析 - 臺灣南部某醫學中心之世代研究

Jo-Yen Chao<sup>1</sup>, Cheng-Yen Kao<sup>2</sup>, Tzu-Shan Huang<sup>1</sup>, Wei-Ren Lin<sup>1</sup>, Chin-Chung Tseng<sup>1</sup>, Ming-Cheng Wang<sup>1,3</sup>, Wei-Hung Lin<sup>1</sup>

趙若雁<sup>1</sup>, 高正彥<sup>2</sup>, 黃子珊<sup>1</sup>, 林威任<sup>1</sup>, 曾進忠<sup>1</sup>, 王明誠<sup>1,3</sup>, 林威宏<sup>1</sup>

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**C221** Humoral and cellular immune responses against circulating SARS-CoV-2 variants following bivalent boosters in hemodialysis patients  
 血液透析患者施打雙價新型冠狀病毒疫苗引發之變異株體液及細胞免疫反應  
 Tsai-Chieh Ling<sup>1</sup>, Po-Lin Chen<sup>1</sup>, Wen-Chien Ko<sup>1</sup>, Jen-Ren Wang<sup>2</sup>, Wei-Ren Lin<sup>1</sup>, Chieh-Hsin Huang<sup>1</sup>, Chien-Yao Sun<sup>1</sup>, Yu-Tzu Chang<sup>1</sup>  
 凌采潔<sup>1</sup>, 陳柏齡<sup>1</sup>, 柯文謙<sup>1</sup>, 王貞仁<sup>2</sup>, 林威任<sup>1</sup>, 黃潔歆<sup>1</sup>, 孫健耀<sup>1</sup>, 張育誌<sup>1</sup>  
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**C222** The effects of Nursing Intervention to Promote the Completeness of in COVID-19 Patient Care in the Hemodialysis Room.  
 Tsuei-Wun Chang, Yi-Shian Chen, Yu-Ting Lin  
 RN, National Taiwan University Hospital Bei-Hu Branch

### Toxin-related and Environmental Kidney Diseases

**C223-C226** Chair(s) : 顏宗海 / Tzung-Hai Yen、陳錫賢 / Hsi-Hsien Chen

**C223** Association between Ambient Air Pollutants and Kidney Stone Disease in a Large Taiwanese Population Study  
 一項大型台灣人口研究中環境空氣污染物與腎結石疾病之間的關聯  
 Chiu-Yueh Chen<sup>1</sup>, Jui-Hsin Chen<sup>1</sup>, Hsiu-Chin Mai<sup>1</sup>, Szu-Chia Chen<sup>2,3</sup>  
 陳秋月<sup>1</sup>, 陳瑞忻<sup>1</sup>, 麥秀琴<sup>1</sup>, 陳思嘉<sup>2,3</sup>  
<sup>1</sup>Department of Nursing, Kaohsiung Municipal Hsiao-Kang Hospital, Kaohsiung Medical University; <sup>2</sup>Division of Nephrology, Department of Internal Medicine, Kaohsiung Medical University Hospital; <sup>3</sup>Department of Internal Medicine, Kaohsiung Municipal Hsiao-Kang Hospital, Kaohsiung Medical University  
 高雄市立小港醫院護理部<sup>1</sup> 高雄醫學大學附設醫院腎臟內科<sup>2</sup> 高雄市立小港醫院內科<sup>3</sup>

**C224** Association of Benzene Exposure on Gut Microbiota Abundance and Composition in Chronic Disease Patients  
 苯暴露與慢性病患者腸道微生物群豐度及組成的相關性  
 Szu-Chia Chen<sup>1,2</sup>, Pei-Yu, Wu<sup>1,2</sup>, Jiun-Chi Huang<sup>1,2</sup>, Hao-Ping Wang<sup>1,2</sup>, Yi-Wen Chiu<sup>1</sup>,  
 Jer-Ming Chang<sup>1</sup>  
 陳思嘉<sup>1,2</sup>, 吳珮瑜<sup>1,2</sup>, 黃俊祺<sup>1,2</sup>, 王皓平<sup>1,2</sup>, 邱怡文<sup>1</sup>, 張哲銘<sup>1</sup>  
<sup>1</sup>Division of Nephrology, Department of Internal Medicine, Kaohsiung Medical University Hospital; <sup>2</sup>Department of Internal Medicine, Kaohsiung Municipal Hsiao-Kang Hospital, Kaohsiung Medical University  
 高雄醫學大學附設醫院腎臟內科<sup>1</sup> 高雄市立小港醫院內科<sup>2</sup>

- C225** Sex Differences in the Impact of Heat Stress on the Renal Function  
探討性別差異對熱傷害影響腎功能  
Yi-Kong Chen<sup>1</sup>, Wei-Yu Su<sup>1</sup>, You-Chi Chen<sup>1</sup>, Ming-Yen Lin<sup>1</sup>, Ping-Hsun Wu<sup>1</sup>,  
Szu-Chia Chen<sup>1</sup>, Yi-Wen Chiu<sup>1</sup>, Jer-Ming Chang<sup>1</sup>  
陳逸剛<sup>1</sup>, 蘇威宇<sup>1</sup>, 陳宥騏<sup>1</sup>, 林明彥<sup>1</sup>, 吳秉勳<sup>1</sup>, 陳思嘉<sup>1</sup>, 邱怡文<sup>1</sup>, 張哲銘<sup>1</sup>  
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University Hospital, Kaohsiung Medical University, Kaohsiung, Taiwan;  
<sup>1</sup>高雄醫學大學附設中和紀念醫院 腎臟內科
- C226** Assessing the Relationship between Renal Function and Air Pollutants Using  
Geospatial-Artificial Intelligence (Geo-AI) Techniques  
使用 Geo-AI 技術評估腎功能與空氣污染物之間的關係  
You-Chi Chen<sup>1</sup>, Wei-Yu Su<sup>1</sup>, Yi-Kong Chen<sup>1</sup>, Ming-Yen Lin<sup>1</sup>, Ping-Hsun Wu<sup>1</sup>,  
Szu-Chia Chen<sup>1</sup>, Yi-Wen Chiu<sup>1</sup>, Jer-Ming Chang<sup>1</sup>  
陳宥騏<sup>1</sup>, 蘇威宇<sup>1</sup>, 陳逸剛<sup>1</sup>, 林明彥<sup>1</sup>, 吳秉勳<sup>1</sup>, 陳思嘉<sup>1</sup>, 邱怡文<sup>1</sup>, 張哲銘<sup>1</sup>  
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University Hospital, Kaohsiung Medical University, Kaohsiung, Taiwan;  
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## **Trending Topic 2023: Augmented Intelligence, Digital Health, and Data Science**

**C227-C241** Chair(s) : 顏宗海 / Tzung-Hai Yen 、陳錫賢 / Hsi-Hsien Chen

- C227** Analysis of the impact of AI smart medical policy on chronic kidney disease  
patients in a hospital in southern China  
南部某地區醫院慢性腎臟病病患 AI 智慧醫療政策影響研究之分析  
Ku-Chung Wang<sup>1</sup>, Te-Chuan Chen<sup>2</sup>, Meng-Hsueh Wu<sup>1</sup>, Ching-Tan Cheng<sup>1</sup>, Yueh-  
Ting Lee<sup>1</sup>, Shang-Chin Liao<sup>1</sup>, Chlen-Te Lee<sup>1</sup>  
王谷鐘<sup>1</sup>, 陳德全<sup>2</sup>, 吳孟學<sup>1</sup>, 鄭晶丹<sup>1</sup>, 李岳庭<sup>1</sup>, 廖上智<sup>1</sup>, 李建德<sup>2</sup>  
Kaohsiung Municipal Feng Shan Hospital-Under the management of Chang  
Gung Medical Foundation 、 Division of Nephrology<sup>1</sup>  
Division of Nephrology, Department of Medicine ,Kaohsiung Chang Gung  
Memorial<sup>2</sup>  
高雄市立鳳山醫院 - 委託長庚醫療財團法人經營<sup>1</sup> 高雄長庚紀念醫院腎臟科<sup>2</sup>
- C228** Enhancing Information Accuracy and Clinical Decision Precision in the  
Management of Chronic Kidney Disease Cases through Information System  
Integration  
運用資訊系統整合提升慢性腎臟病個案管理的資訊正確性和臨床決策精準度  
Y Lee<sup>1</sup>, YP Chen<sup>1</sup>, WC Lo<sup>1</sup>, YC Pan<sup>1</sup>, WH Lee<sup>1</sup>  
李昀<sup>1</sup>, 陳怡萍<sup>1</sup>, 羅婉綺<sup>1</sup>, 潘怡君<sup>1</sup>, 李文惠<sup>1</sup>  
<sup>1</sup>Lotung Po-Ai Hospital  
<sup>1</sup>羅東博愛醫院

- C229** Involving nursing preventive treatments with machine learning alarming systems to decrease the rates of intradialytic hypotension  
結合 AI 風險預測系統及護理介入措施有效降低透析中低血壓發生率  
黃惠暄, 莊秋萍, 劉忠峰, 沈郁婷, 陳佳蓉, 楊翼寧  
奇美醫院血液透析室, 奇美智慧醫療中心, AI 工程師, 資訊室, 腎臟科
- C230** Analysis of COVID -19 vaccination rate and infection rate among peritoneal inpatients in a southern medical center  
南部某醫學中心腹膜透析病人, Covid-19 疫苗接種率與感染率分析  
卓秋萍<sup>1</sup>, 蔡淑朵<sup>1</sup>, 黃惠暄<sup>1</sup>, 王憲奕<sup>2</sup>  
奇美醫療財團法人奇美醫院<sup>1</sup> 護理部<sup>2</sup> 內科部
- C231** Machine learning to predict complications after percutaneous native kidney needle biopsy  
Hung-Chieh Wu<sup>1,2</sup>, Yu-Chen Chiu<sup>1</sup>, Wei-Jie Wang<sup>1,3</sup>  
<sup>1</sup>Division of Nephrology, Department of Internal Medicine, Taoyuan General hospital, Taoyuan, Ministry of Health and Welfare, Taiwan  
<sup>2</sup>Department of Biotechnology, Ming Chuan University, Taipei, Taiwan  
<sup>3</sup>Department of Biomedical Engineering, Chung Yuan Christian University, Taoyuan, Taiwan
- C232** Discussion on the learning effectiveness of multiple health education materials in blood pressure monitoring for patients with chronic kidney disease.  
慢性腎臟病人對多元化衛教工具於血壓監測學習成效探討  
Chih Ying Huang<sup>1</sup>, Pei Lin Lin<sup>1</sup>, ChinYi Huang<sup>2</sup>, Hsou Li Chu<sup>1</sup>, Shu Chen Chang<sup>3</sup>, Shu Yu Chen<sup>4</sup>  
黃智英<sup>1</sup>, 林沛伶<sup>1</sup>, 黃靜宜<sup>2</sup>, 朱秀麗<sup>1</sup>, 張淑真<sup>3</sup>, 陳書毓<sup>4</sup>  
<sup>1</sup>Chronic Kidney Disease Education Center, Changhua Christian Hospital,  
<sup>2</sup>Teaching and Research Department, Changhua Christian Hospital,<sup>3</sup>Erlin Christian Hospital, <sup>4</sup>Department of Nursing, Changhua Christian Hospital.  
<sup>1</sup>彰化基督教醫院慢性腎臟病衛教中心 <sup>2</sup>彰化基督教醫院教學研究部  
<sup>3</sup>彰化基督教醫療財團法人二林基督教醫院 <sup>4</sup>彰化基督教醫院護理部
- C233** Applying Digital Information to Construct of an Electronic Whiteboard System for Hemodialysis- Experience in a Medical Center in Southern  
應用數位資訊建構血液透析電子白板系統 - 南部某醫學中心經驗分享  
Chen-Wei Chen<sup>1</sup>, Hui-Hua Wang<sup>1</sup>, Ie-Ching Hu<sup>1</sup>, Yi-Hsiang Tsai<sup>3</sup>, Cheng-Jen Wang<sup>3</sup>, Chin-Chung Tseng<sup>2</sup>, Te-Hui Kuo<sup>2</sup>  
陳珍緯<sup>1</sup>, 王惠華<sup>1</sup>, 侯玉琴<sup>1</sup>, 蔡宜湘<sup>3</sup>, 王政仁<sup>3</sup>, 曾進忠<sup>2</sup>, 郭德輝<sup>2</sup>  
國立成功大學醫學院附設醫院<sup>1</sup> 護理部, <sup>2</sup> 腎臟科, <sup>3</sup> 新漢股份有限公司, 台灣

- C234** Utilizing AI to promote the work efficiency of newly employees  
運用人工智能促進新進護理師之工作效益  
Pin-Han Hsia<sup>1</sup>, Hsiu-Wen Changchein<sup>1</sup>, Hui-Ting Liu<sup>1</sup>, Yi-Ting Chen<sup>2,3</sup>  
夏賓含<sup>1</sup>, 張簡綉雯<sup>1</sup>, 劉蕙婷<sup>1</sup>, 陳怡婷<sup>2,3</sup>  
<sup>1</sup>Department of Nursing, National Taiwan University Hospital, Taipei, Taiwan  
<sup>2</sup>Department of Integrated Diagnostics & Therapeutics, National Taiwan University Hospital, Taipei, Taiwan  
<sup>3</sup>Renal division, Department of Internal Medicine, National Taiwan University Hospital, Taipei, Taiwan  
<sup>1</sup> 台大醫院護理部, <sup>2</sup> 台大醫院綜合診療部血液淨化科, <sup>3</sup> 台大醫院腎臟科
- C235** Intelligent Personalization Management for Peritoneal Dialysis Patient Care  
腹膜透析病人照護的智能化個人管理  
Shih-Yi Yang<sup>1</sup>, Shou-Chieh Wang<sup>1</sup>, Chia-Liang Wang<sup>1</sup>, Chia-Chu Chang<sup>1</sup>, Yu-Fen Huang<sup>1</sup>, Jian-Ye Chen<sup>1</sup>, Xiang-Yu Wang<sup>1</sup>  
楊師怡<sup>1</sup>, 王守玠<sup>1</sup>, 王家良<sup>1</sup>, 張家築<sup>1</sup>, 黃毓芬<sup>1</sup>, 陳建擘<sup>2</sup>, 王祥宇<sup>2</sup>  
Division of Nephrology, Kuang Tien General Hospital<sup>1</sup>, Information room, Kuang Tien General Hospital<sup>2</sup>  
沙鹿光田醫院腎臟科<sup>1</sup>, 沙鹿光田醫院資訊室<sup>2</sup>
- C236** Constructing monitoring of hemodialysis room evaluation indicators through information application  
藉由資訊化應用建構血液透析室評鑑指標之監測  
黎媛玲<sup>1</sup>  
<sup>1</sup> 三軍總醫院 腎臟內科 血液透析室
- C237** A survey on the prevalence of burnout among peritoneal dialysis patients and caregivers in performing peritoneal dialysis  
評估腹膜透析患者和其照顧者操作腹膜透析所產生的倦怠及壓力  
Yung-An Chen<sup>1</sup>, Yi-Ting Chen<sup>1,2</sup>, Yu-Hsiang Chou<sup>1</sup>, Shuei-Liong Lin<sup>1</sup>  
陳永安<sup>1</sup>, 陳怡婷<sup>1,2</sup>, 周鈺翔<sup>1</sup>, 林水龍<sup>1</sup>  
<sup>1</sup>Renal Division, Department of Internal Medicine, National Taiwan University Hospital. <sup>2</sup>Division of Blood purification, Department of Integrated Diagnostics & Therapeutics, National Taiwan University Hospital.  
<sup>1</sup> 台大醫院內科部腎臟科 <sup>2</sup> 台大醫院綜合診療部血液淨化科



- C238** The role of *Finegoldia magna*, an anaerobic Gram-positive coccus, in a peritoneal dialysis patient with exit site infection  
革蘭氏陽性厭氧球菌 *Finegoldia magna* 在一腹膜透析病人導管出口感染的角色  
Hsin-Chun Tsai<sup>1</sup>, Hsiu-Lien Hsu<sup>1</sup>, Chen-Wei Chen<sup>1</sup>, Hsueh-Chi Chou<sup>1</sup>, Hui-Ying Lin<sup>1</sup>, Pei-Jung Wu<sup>1</sup>, Mei-Hsien Wu<sup>1</sup>, Yung-Chu Yang<sup>1</sup>, Chin-Chung Tseng<sup>2</sup>, Ming-Cheng Wang<sup>2</sup>, Jo-Yen Chao<sup>2</sup>  
蔡幸鏗<sup>1</sup>, 徐秀蓮<sup>1</sup>, 陳珍緯<sup>1</sup>, 周雪琦<sup>1</sup>, 林惠瑛<sup>1</sup>, 吳佩蓉<sup>1</sup>, 吳美賢<sup>1</sup>, 楊詠筑<sup>1</sup>, 曾進忠<sup>2</sup>, 王明誠<sup>2</sup>, 趙若雁<sup>2</sup>  
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國立成功大學醫學院附設醫院 <sup>1</sup> 護理部, <sup>2</sup> 內科部腎臟科
- C239** Using guided meditation in the care process of a patient receiving hemodialysis  
運用引導冥想在一位接受血液透析病人之護理過程  
Hsiao-lan cheng  
鄭曉嵐  
Tri-Service General Hospital, National Defense Medical Center, Taipei, Taiwan  
三軍總醫院腎臟內科血液透析室
- C240** Reduce the incidence of hypotension during hemodialysis  
降低血液透析過程低血壓發生率  
Shu-Juan You, Ying-Fang Zhang, Kai-Ling Yang, Ren-Feng Liu, Ci-yong Du  
Yi-Li Lin, Huey-Liang Kuo  
游淑娟<sup>1</sup>, 張穎方<sup>1</sup>, 楊凱玲<sup>2</sup>, 劉人鳳<sup>1</sup>, 杜慈詠<sup>1</sup>, 林憶琍<sup>1</sup>, 郭慧亮<sup>2</sup>  
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<sup>1</sup> 中國醫藥大學附設醫院腎臟系血液透析室 <sup>2</sup> 中國醫藥大學附設醫院腎臟系
- C241** Shared Decision Making for dialysis modality selection in the outpatients with late chronic kidney disease: outcome analysis  
醫病共享決策對門診末期腎臟病友透析模式之選擇：成果分析  
An-Bang Wu<sup>1</sup>, Chin-Chung Tseng<sup>1</sup>, Yu-Chen Kuo<sup>1,2</sup>, and Junne-Ming Sung<sup>1</sup>  
吳安邦<sup>1</sup>, 曾進忠<sup>1</sup>, 郭育甄<sup>1,2</sup>, 宋俊明<sup>1</sup>  
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## 創新應用組壁報發表 Innovation Poster

張貼地點：7 樓左側迴廊壁報發表區

張貼時間：112 年 12 月 9 日 (星期六) 上午 10:00 至 12 月 10 日 (星期日) 下午 3:00

各組評分討論時間：112 年 12 月 9 日 (星期六) 下午 4 時至 5 時

得獎優秀壁報將於 112 年 12 月 10 日全日標示

### 【Innovation】

APP001-APP008 Chair(s): 陳靖博 / Jin Bor Chen、楊素真 / Su-Chen Yang

APP001 Using 3D Printing in Peritoneal Technology and Introducing Peritoneal Dialysis Patient Training

運用 3D 列印於腹腔技術及導入腹膜透析病人訓練

C.I. Cheng<sup>1\*</sup>, W.J. Lin<sup>1</sup>, J.H. Hsu<sup>1</sup>, H.T. Liu<sup>1</sup>, C.W. Lee<sup>1</sup>, J.A. Guo<sup>2</sup>, Y.T. Chen<sup>3</sup>, C.Y. Lee<sup>4</sup>, C.K. Chiang<sup>3</sup>, J.W. Huang<sup>5</sup>

鄭靜宜<sup>1\*</sup>, 林琬真<sup>1</sup>, 徐睿忻<sup>1</sup>, 劉蕙婷<sup>1</sup>, 李慶玟<sup>1</sup>, 郭哲安<sup>2</sup>, 陳怡婷<sup>3</sup>, 李志元<sup>4</sup>, 姜至剛<sup>3</sup>, 黃政文<sup>5</sup>

<sup>1</sup>Department of Nursing, <sup>2</sup> Department of Biomedical Engineering, <sup>3</sup> Department of Integrated Diagnostics & Therapeutics, <sup>4</sup> Department of Surgery, <sup>5</sup> Department of Internal Medicine, National Taiwan University Hospital, TW.

<sup>1</sup> 台大醫院護理部 <sup>2</sup> 台大醫院醫工部 <sup>3</sup> 台大醫院綜合診療部血液淨化科 <sup>4</sup> 台大醫院外科部 <sup>5</sup> 台大醫院內科部

APP002 Innovative research and development of peritoneal dialysis auxiliary tools improves the quality of peritoneal dialysis care

創新研發腹膜透析輔助工具，提升腹膜透析照護品質

王榆樾<sup>1</sup>, 劉嘉琳<sup>2</sup>, 許珩云<sup>3</sup>, 林祝君<sup>4</sup>

<sup>1</sup> 大林慈濟醫院護理部 <sup>2</sup> 花蓮慈濟科技大學研究發展

APP003 APD best sidekick ~ Peritoneal dialysis tubing protective cover

管管相護～腹膜透析管路保護套

Chun-Yan Hsu<sup>1</sup>, Hsiu-Yen Lin<sup>1</sup>, Yi-Hua Chang<sup>1</sup>, Hui-Feng Tsai<sup>1</sup>, Li-Jing Chen<sup>1</sup>, Chia-Lin Wu<sup>2</sup>

許春燕<sup>1</sup>, 林秀姻<sup>1</sup>, 張宜驊<sup>1</sup>, 蔡慧鳳<sup>1</sup>, 陳麗菁<sup>1</sup>, 吳家麟<sup>2</sup>

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**APP004** Ultrasensitive Portable Surface-Enhanced Raman Spectroscopy for Rapid Diagnosis of Pesticide Poisoning

開發可用於農藥中毒快篩之可攜式超靈敏拉曼光譜儀

Tzung-Hai Yen<sup>1</sup>, Yu-Hsuan Chen<sup>2</sup>, Li-Chia Lu<sup>2</sup>, Dehui Wan<sup>2</sup>

顏宗海<sup>1</sup>, 陳毓萱<sup>2</sup>, 盧鄺家<sup>2</sup>, 萬德輝<sup>2</sup>

<sup>1</sup>Department of Nephrology, Clinical Poison Center, Chang Gung Memorial Hospital, Linkou, Taiwan; <sup>2</sup>Institute of Biomedical Engineering, National Tsing Hua University, Hsinchu, Taiwan

<sup>1</sup> 林口長庚紀念醫院 腎臟科系 臨床毒物中心; <sup>2</sup> 國立清華大學 生物醫學工程研究所

**APP006** Emerging Trends in Improving Efficiency and Quality of Care: Captivating Applications of Big Data Visualization

提高效率與照護品質新趨勢：吸睛的大數據資料視覺化應用

宋宜靜, 李惠媛, 曾淑慧, 郭秋煌

花蓮慈濟醫院腎臟內科

**APP007** Implementation of Power BI interactive analysis for peritoneal dialysis peritonitis occurrence

以 Power BI 互動式分析應用於腹膜透析腹膜炎發生之實作

Chih-Chuan Yan, Jui-Shan Tsai, Sheng-Fang Hsiao, Pei-Ni Hsiao, Chin-Huei Hsu, Wei-Chen Chen, Chiu-Hui Tsai, Hsin-Wen Hsu, Yu-Ying Huang

顏志娟, 蔡瑞珊, 蕭聖芳, 蕭佩妮, 許錦惠, 陳韋蓁, 蔡秋蕙, 許馨文, 黃玉瑩

Department of Nursing Kaohsiung Medical University Hospital, Kaohsiung Medical University

高雄醫學大學附設中和紀念醫院護理部

**APP008** Implementation Unique Device Identification (UDI) system to improve the accuracy of preparation of emodialysis artificial kidneys

導入單一辨識條碼 (Unique Device Identification:UDI) 系統提升血液透析人工腎臟之準備正確率

Yi-Ling Hsieh<sup>1</sup>, Tsui-Ling Lin<sup>1</sup>, Hui-Ting Liu<sup>1</sup>, Huang -Wen Wen<sup>1</sup>, Chun-Fu Lai<sup>2</sup>

謝易玲<sup>1</sup>, 林翠玲<sup>1</sup>, 劉蕙婷<sup>1</sup>, 黃雯雯<sup>1</sup>, 賴俊夫<sup>2</sup>

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APP009-APP015 Chair(s) : 徐邦治 / Bang-Gee Hsu、陳俞琪 / Yu-Chi Chen

APP009 Using Lin's tube for facilitating laparoscopic rectus sheath tunneling in peritoneal dialysis catheter implantation

使用林氏管經由腹腔鏡直肌鞘隧道植入腹膜透析導管

Hsiu-Yen Lin<sup>1</sup>, Kuo-Hua Lin<sup>2</sup>, Yuntzu Chang<sup>2</sup>, Chia-Lin Wu<sup>3</sup>

<sup>1</sup> Division of Nephrology and Peritoneal dialysis room, Changhua Christian Hospital

<sup>2</sup> Department of General Surgery, Changhua Christian Hospital

<sup>3</sup> Director, Nephrology Department, Changhua Christian Hospital

APP010 Improving the management performance of dialysis medical waste

改善透析醫療廢棄物之管理成效

蘇堃鳳<sup>1</sup>, 施瓊玉<sup>2</sup>, 戴辛翎<sup>3</sup>, 李榮芬<sup>4</sup>

臺北榮總護理部血液透析室

APP011 The preliminary business model of adopting teleconsultation with point-of-care ultrasound at home for multi-morbid renal patients in the rural area

多重共病腎臟病人在偏鄉執行遠距在宅即時超音波會診之商業模式初探

Hung-Bin Tsai<sup>1</sup>, Lin-Hua Tseng<sup>2</sup>, Min-Ping Huang<sup>3</sup>, Nin-Chieh Hsu<sup>4</sup>, Sang-Ru Yu<sup>5</sup>

蔡宏斌<sup>1</sup>, 曾令華<sup>2</sup>, 黃民評<sup>3</sup>, 許甯傑<sup>4</sup>, 余尚儒<sup>5</sup>

<sup>1</sup>Division of Hospital Medicine, Department of Internal Medicine, National Taiwan University Hospital; <sup>2</sup>Institute of Population Health Sciences, National Health Research Institutes, <sup>3</sup> Division of Cardiology, Department of Internal Medicine, Kaohsiung Chang-Gung Memorial Hospital, <sup>4</sup> Division of Hospital Medicine, Department of Internal Medicine, Taipei City Hospital Zhongxing Branch, <sup>5</sup> Dulan Clinic

<sup>1</sup> 台大醫院內科部整合醫學科, <sup>2</sup> 國家衛生研究院群體健康科學研究所, <sup>3</sup> 高雄長庚醫院內科部心臟科, <sup>4</sup> 台北市立聯合醫院中興院區內科部整合醫學科, <sup>5</sup> 都蘭診所

APP012 Innovative visual health education tool-three-dimensional kidney cone

創新視覺化衛教工具 - 立體腎錐

呂喬心<sup>1</sup>, 殷妤姍<sup>1</sup>, 呂建慶<sup>2</sup>, 陳定濂<sup>3</sup>

<sup>1</sup> 衛生福利部桃園醫院護理部, <sup>2</sup> 高苑科技大學休閒運動管理系, <sup>3</sup> 國立高雄科技大學資訊工程所

APP013 Chronic Kidney Disease Food Portion Estimation Tool

慢性腎臟病食物份量估算工具

李承翰, 吳苡璉

財團法人腎臟病防治基金會

**APP014** Using web analytics to understand health-seeking behaviors in peritoneal dialysis nursing health education

應用網頁分析了解腹膜透析護理衛教中的健康尋求行為

Hsiu-Wen Chang<sup>1</sup>, Pin-Han Hsia<sup>1</sup>, Yu-Jun Zhan<sup>1</sup>, Hui-Ting Liu<sup>1</sup>, Yu-Hsiang Chou<sup>2</sup>

張簡綉雯<sup>1</sup>, 夏賓含<sup>1</sup>, 詹羽君<sup>1</sup>, 劉蕙婷<sup>1</sup>, 周鈺翔<sup>2</sup>

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<sup>1</sup> 臺大醫院護理部, <sup>2</sup> 臺大醫院內科部腎臟科

**APP015** Application of Smartphone Health Care Software in Patient Education After Kidney Transplantation surgery to Improve Patient Satisfaction

智能手機健康照護軟體運用於腎移植術後衛教提升病人滿意度

Li-Chun Lin, Pao-Hua Wu, Wan-Lan Tang, Yuan-Tso Cheng, Yen-Ta Chen, Hui-Ying Liu, Yu-Shu Chien, Te-Chuan Chen, Wen-Chin Lee

林麗君, 吳寶華, 湯婉嫻, 鄭元佐, 陳彥達, 劉惠瑛, 簡玉樹, 陳德全, 李文欽

Division of Nephrology, Department of Internal Medicine, Kaohsiung Chang-Gung Memorial Hospital

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- CKD02 臺北榮民總醫院
- CKD03 三軍總醫院附設民眾診療服務處
- CKD04 財團法人臺灣基督長老教會馬偕紀念社會事業基金會馬偕紀念醫院
- CKD05 國泰醫療財團法人國泰綜合醫院
- CKD06 西園醫療社團法人西園醫院
- CKD07 臺北醫學大學附設醫院
- CKD08 國立臺灣大學醫學院附設醫院北護分院
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- CKD13 衛生福利部臺北醫院
- CKD14 新北市立聯合醫院 (三重院區)
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- CKD29 新竹國泰綜合醫院
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#### 【報到時間】

報到時間
12 月 9 日 (星期六) 上午 8 時 30 分至下午 4 時
12 月 10 日 (星期日) 上午 8 時 00 分至下午 3 時

- 需本人親自報到，才給予積分及大會資料
- 大會資料數量有限，若領取完畢，恕不補發

#### 【積分認定】

- 年會積分一(A)類積分 30 分 – 任選一天報到
- 其他學會教育學分
- 內科醫學會積分：A 類 15 分

### 透析護理人員、腎臟照護衛教師及藥師繼續教育積分

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報到時間	刷到時間	刷退時間
12 月 9 日 (星期六)	上午 8 時 30 分至下午 1 時 00 分	下午 4 時 00 分至 4 時 30 分
12 月 10 日 (星期日)	上午 8 時 00 分至 11 時 00 分	下午 3 時 30 分至 4 時 00 分

#### 【積分認定】

- 透析繼續教育積分：1.5 次
- 慢性腎臟病繼續教育積分：15 小時
- 衛生福利部護理人員繼續教育積分：申請中
- 藥師繼續教育積分：申請中
- ✓ 依衛福部醫事人員繼續教育積分辦法，參加人員需刷到及刷退，才給予認定積分。

## 會員大會

時間：112 年 12 月 10 日 (星期日) 上午 11:30 至 12:00

地點：701-B 會議室

## 台灣腎臟醫學會 40 周年晚宴

時間：112 年 12 月 9 日 (星期六) 下午 6:00 至 8:00

地點：701-D 會議室

## 參展廠商攤位展示區

時間：112 年 12 月 9-10 日 (星期六、日)

地點：7 樓右側迴廊 701C、G 會議室

## 會員中午餐盒領取處 (憑餐券領取)

時間：112 年 12 月 9-10 日 (星期六、日)

地點：Lunch Symposium 會議室門口

- 為方便秘書處準備餐盒，年會採【線上登錄用餐】，已上網登錄之會員，報到時將發予餐券，屆時憑餐券領取餐盒。謝謝您的協助！

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- 視片室：7 樓 701C 會議室及 701G 會議室外小房間
- 口頭報告者請務必於該場次開始前 30 分鐘將隨身碟自行攜帶送至視片室進行測試，以避免中途影響會議速度進行，請先行測試檔案與隨身碟讀取正常。
- 一般論文口頭發表，每題 12 分鐘，報告 10 分鐘，討論 2 分鐘，請各演講者務必控制報告時間，演講時間結束後即開燈結束演講。

#### 一般論文、創新應用組壁報發表、及腎臟病健康促進機構成果發表壁報展示

- 壁報地點：7 樓左側迴廊壁報發表區
- 展示時間：112 年 12 月 9 日 (星期六) 上午 10:00 至 12 月 10 日 (星期日) 下午 3:00
- 張貼時間：請於 112 年 12 月 9 日 (星期六) 中午 12 時以前張貼完成
- 拆除時間：111 年 12 月 10 日 (星期日) 下午 3 時 30 分拆卸，未取回者本會不負責保管。
- 展示規格：張貼最大尺寸 (直式) 高 150 公分 \* 寬 90 公分
- 壁報發表之論文及腎臟病健康促進機構成果發表壁報資訊，請至年會網站參閱。

#### 一般論文組壁報發表及評分時間

- 112 年 12 月 9 日 (星期六) 下午 4:00 至 5:00
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- 應詢地點：7 樓左側迴廊一般論文組壁報發表區

#### 創新應用組壁報發表及評分時間

- 112 年 12 月 9 日 (星期六) 下午 4:00 至 5:00
  - 第一作者須在場應詢與討論，若有其他因素無法到現場解說，可由研究團隊其他人員代表解說，才有資格成為優秀壁報獲獎者，若不在場不予評分。
  - 創新應用組：須做口頭簡報 4 分鐘 (不需準備幻燈片)
- 簡報地點：7 樓左側迴廊創新應用組壁報發表區
- ✓ 壁報評分時段，現場將統計壁報報告者出席比例，作為日後提升學術品質成效及提供各院腎臟科主管參考，請報告者屆時能準時出席壁報評分現場及講解

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- 時間：112 年 12 月 10 日 (星期日) 上午 11:30 至 12:00 (請得獎者務必在現場)
- 地點：701B 會議室

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杏昌醫藥科技股份有限公司  
Conmed Pharmaceutical & Bio-Medical  
Corporation

香港商安馨股份有限公司台灣分公司  
Nephrocare Limited, Taiwan Branch (H.K.)

寶齡富錦生技股份有限公司  
PANION & BF BIOTECH INC.

賽諾菲股份有限公司  
Sanofi Taiwan Co., Ltd

台田藥品股份有限公司  
Tai Tien Pharmaceuticals Co., Ltd.

吉泰藥品股份有限公司  
Taiwan Specialty Pharma Corp.

美商亞培股份有限公司台灣分公司  
Abbott Laboratories Services LLC Taiwan  
Branch (U.S.A.)

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Affix Health Pte. Ltd., Taiwan Branch  
(Singapore)

歐格琳健康事業股份有限公司  
All Clean Health

百特醫療產品股份有限公司  
Baxter

台灣拜耳股份有限公司  
Bayer Taiwan Co.,Ltd.

濟生醫藥生技股份有限公司  
Chi Sheng Pharma & Biotech Co., Ltd.

荷商葛蘭素史克藥廠股份有限公司台灣分公司  
GlaxoSmithKline Taiwan Branch

英禾美生醫股份有限公司  
Hemoscien Corporation

偉喬生醫股份有限公司  
Leadgene Biomedical, INC.

台灣雀巢股份有限公司  
Nestle Taiwan Limited

彩新健康事業股份有限公司  
New Image Medical Co., Ltd.

新漢股份有限公司  
NEXCOM International Co.,LTD.

台灣諾和諾德藥品股份有限公司  
Novo Nordisk Taiwan

益富實業股份有限公司  
Nutritec-Enjoy Corporation

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SMAD Biotechnology CO., LTD.

標準生技醫藥股份有限公司  
STANDARD Biotechnology and  
Pharmaceutical Co.,

佳格食品股份有限公司  
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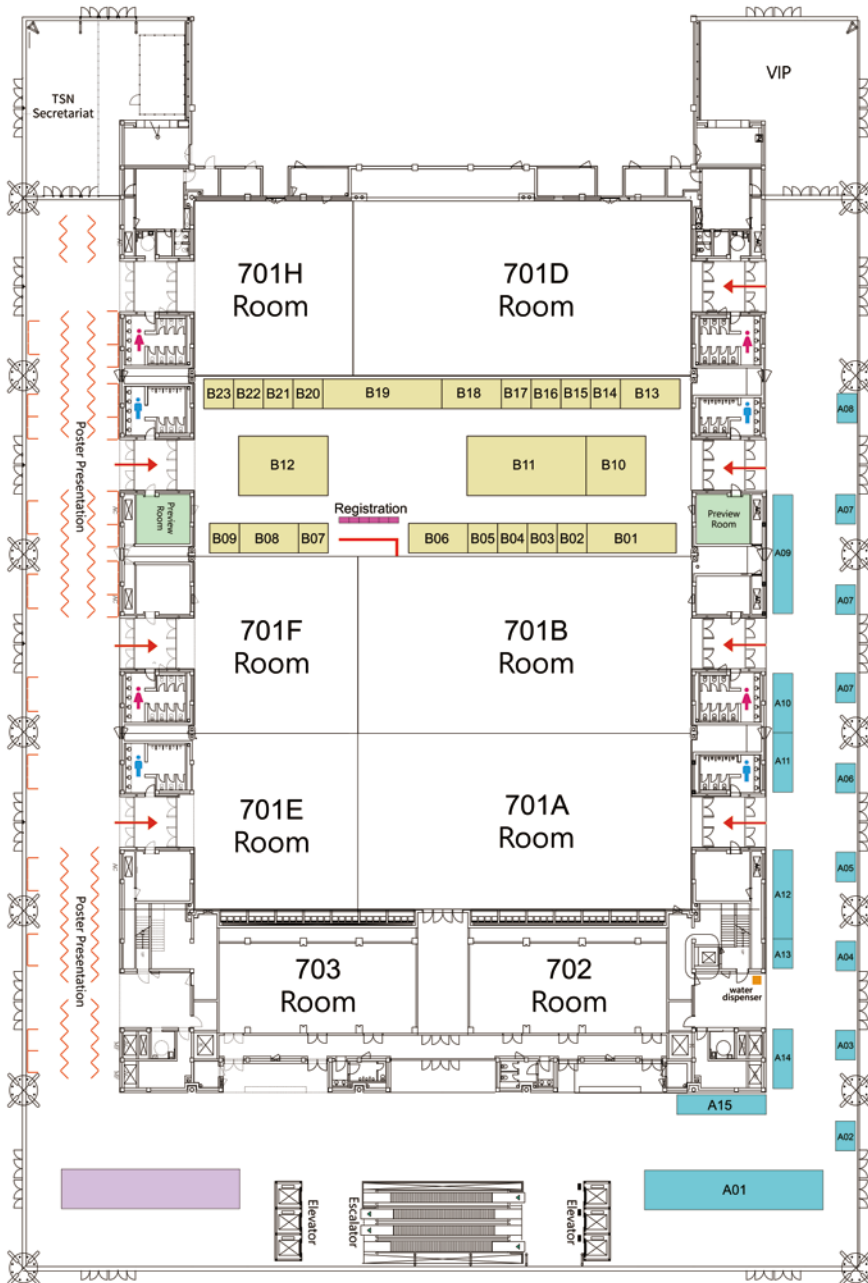
一成藥品股份有限公司  
Success Medical CO., LTD.

泰和碩藥品科技股份有限公司  
TAXO Pharmaceutical Co., Ltd.

韓國腎臟醫學會  
The Korean Society of Nephrology

## Exhibition

7 Floor, Hall 2, Nangang International Exhibition Center, Taipei, Taiwan





## Exhibitor booth number

A01	Astrazeneca	A10	Tai Tien Pharmaceuticals Co., Ltd.
A02	Chi Sheng Pharma & Biotech Co., Ltd.	A11	Sanofi Taiwan Co., Ltd.
A03	TAXO Pharmaceutical Co., Ltd.	A12	Eli Lilly and Company (TAIWAN)
A04	New Image Medical Co., Ltd.	A13	Novo Nordisk Taiwan
A05	Bayer Taiwan Co.,Ltd.	A14	Taiwan Specialty Pharma Corp. Taiwan Otsuka Pharmaceutical Co.,Ltd.
A06	Korean Society of Nephrology	A15	
A07	Kyowa Kirin Taiwan Co.Ltd.		
A08	Leader Book		
A09	Excelsior Medical		
B01	K2 International Medical Inc.	B15	Abbott Laboratories Services LLC Taiwan Branch (U.S.A.)
B02	GlaxoSmithKline Taiwan Branch	B16	Affix Health PTE. Ltd., Taiwan Branch (Singapore)
B03	Success Medical Co., Ltd.	B17	Nestle Taiwan Limited
B04	Hemoscien Corporation	B18	Nephrocare Limited, Taiwan Branch (H.K.)
B05	Nutritec-Enjoy Corporation	B19	Fresenius Medical Care Taiwan Co., Ltd.
B06	Conmed Pharmaceutical & Bio-Medical Corporation	B20	Standard Biotechnology and Pharmaceutical Co., Ltd.
B07+B12	Hi-Clearance Inc.	B21	Leadgene Biomedical, Inc.
B08	Baxter International Inc.	B22	BEAMED INSTRUMENTS CO., LTD.
B09	Standard Foods Corporarion	B23	Smad Biotechnology Co., Ltd.
B10	Fresenius Kabi Taiwan Ltd.		
B11	Hua Chiang Medical Co., Ltd.		
B13	Panion & BF Biotech Inc.		
B14	All Clean Health		

## Transportation information



1. Please take BR line and get off at Taipei Nangang Exhibition Hall Center Station (BR24)
  2. Please take BL line and get off at Taipei Nangang Exhibition Hall Center Station (BL23)
- For further information, please visit the official website of Taipei Metro.



## 自行開車

- 利用國道一號北上及南下之行車路線利用國道一號北上或南下的車輛(含大型車輛)，請於「內湖交流道」下高速公路，接「成功路」，直行過「成功橋」，左轉接「重陽路」至南港展館(可利用原路線接國道一號南下或北上)。
- 利用國道一號北上或南下的車輛(含大型車輛)，請於「內湖交流道」下高速公路，接「成功路」，直行過「成功橋」，左轉接「重陽路」至南港展館(可利用原路線接國道一號南下或北上)。
- 或於「汐止系統交流道」離開國道一號，再接國道三號繼續往南行駛，至「新台五路交流道」下高速公路，右轉接「新台五路」，再左轉「大同路」，直行接南港路至南港展館(所有車輛可利用原路接國道一號南下或北上)。
- 利用國道一號北上至南港展館的所有車輛亦可前行至「東湖交流道」下高速公路，右轉接「康寧路」，過「南湖大橋」後，接「三重路」、左轉「經貿二路」至南港展館(自南港展館出發，可利用原路接國道一號南下，惟無法北上)。
- **利用國道三號北上及南下之行車路線(含國道五號北宜高速公路)：**
  - 利用國道三號北上或南下的車輛(含大型車輛)，請於「新台五路交流道」下高速公路，接「新台五路」、左轉「大同路」、直行接「南港路」至南港展館(所有車輛可利用原路接國道三號南下或北上)。
  - 除貨櫃車及聯結車外，其他車輛可於「南港交流道」下高速公路，接「南港聯絡道」後靠內側車道行駛，直行至「南港經貿園區」出口下聯絡道，左轉接經貿一路至南港展館(貨櫃車及聯結車除外，其他車輛可利用原路接國道三號南下，惟無法北上)。
  - 利用國道五號往台北的小型車輛，行至「南港系統交流道」匯接國道三號，靠右側車道行駛約1公里，於「南港交流道」接「南港聯絡道」至南港展館(小型車輛可利用原路上國道五號)。

## 搭乘捷運至南港展覽館站

- **前往台北南港展覽館：**
  - 搭乘捷運「文湖線」於「南港展覽館站」下車，並於1號出口離站沿左側至南港1館；沿右側「南港2館地下連通道」至南港2館。
  - 搭乘捷運「板南線」於「南港展覽館站」下車，並於1號出口離站沿左側至南港1館；沿右側「南港2館地下連通道」至南港2館





簡易處方說明：

產品名稱：法布瑞酶凍晶注射劑 35 毫克/小瓶 (Fabrazyme<sup>®</sup>)，為含有 35 毫克 (agalsidase beta) 之供溶液稀釋後輸注之濃縮粉末注射劑。適應症：用於治療 α-galactosidase A 缺乏患者 (即 Fabry disease)，提供長期酵素補充治療。劑量及投藥方式：本品之建議劑量為 1 毫克/公斤，每週一次，以靜脈輸注方式給藥。本品未曾針對 0-7 歲兒童作過試驗，因此無此年齡層患者之相關療效與安全性資料，也就無法提供此類患者的建議劑量。8-16 歲孩童不需作劑量調整。禁忌：對於本品的主要活性成分或賦形劑會產生危及生命的過敏反應 (過敏性休克反應) 患者禁用。特別警告與注意事項：(1) 免疫原性：由於 agalsidase beta (r-haGAL) 是一種重組蛋白質，因此在酵素活性極少或無殘餘酵素活性的患者預期會出現 IgG 抗體。多數患者在第一次輸注法布瑞酶 3 個月內出現抗 r-haGAL 的 IgG 抗體。(2) 輸注相關反應：具 r-haGAL 抗體患者比較會出現輸注相關反應。輸注相關反應定義為在輸注當天所出現的任何不良反應。這些患者再次投與 agalsidase beta 時應特別小心。應定期監測體內抗體濃度。臨床試驗中以 agalsidase beta 治療之患者出現輕微或中度輸注相關反應後，經過降低輸注速率 (-0.15 毫克/分鐘；10 毫克/小時) 以及/或是治療前預先投與抗組織胺、paracetamol、ibuprofen 及/或 corticosteroids 之後，能夠改善症狀，繼續完成輸注。(3) 過敏反應：如同其他靜脈輸注蛋白質藥物，本品可能產生過敏類型 (allergic type) 的過度敏感反應。(4) 嚴重腎病患者：Fabrazyme 對治療嚴重腎病患者的腎功能改善效果有限。小部份患者出現急性過敏反應 (第一型)。若出現嚴重或過敏性休克反應，應立即停止 Fabrazyme 輸注並給與適當治療，可採用現行的標準醫療急救步驟。與其他藥品或其他型式之交互作用：本品未曾做過藥物交互試驗與體外代謝研究。但基於其代謝方式，agalsidase beta 應不可能與細胞色素系統 P450 引起的藥物-藥物交互作用有關。由於理論上可能會抑制細胞內 α-galactosidase A 的活性，本品不建議與 chloroquine、amiodarone、benoquin 或者 pentamycin 併用。懷孕：並無 agalsidase beta 使用於懷孕婦女的適當資料。動物研究顯示本品對胎兒胎兒發育無直接或間接的傷害作用。除非絕對必要，懷孕期間不可使用 Fabrazyme。母乳：Agalsidase beta 會被分泌至乳汁中，由於並無對 agalsidase beta 經由授乳而對新生兒方面影響的資料，建議使用 Fabrazyme 期間停止餵奶。副作用：其他常見副作用包括鼻膜炎、頭暈、想睡覺、感覺遲鈍、煩躁或、疲倦、管厥、流淚增多、耳鳴、眩暈、心跳快速、心悸、心跳過慢、潮紅、高血壓、蒼白、低血壓、熱潮紅、呼吸困難、鼻塞、喉嚨很緊、哮喘、咳嗽、呼吸困難更加惡化、腹痛、上腹痛、腹部不適、胃部不適、口腔感覺遲鈍、腹瀉、搔癢、尋麻疹、出疹子、紅斑、全身癢、血管神經性水腫、臉腫、斑丘疹、四肢疼痛、肌肉痛、背痛、肌肉虛弱、關節痛、肌肉很緊、骨節酸痛、疲倦、胸部不適、發熱、周邊水腫、疼痛、無力、胸痛、臉腫、體溫過高。67% 患者曾發生過至少一種輸注反應，本品上市後曾有過敏性休克反應的報告。適量：臨床研究顯示曾使用高達 3 毫克/公斤的劑量，發生不良反應之情形與 1 毫克/公斤相似。藥理療效分類：其他消化道及新陳代謝類藥物、酵素。ATC 碼：A16AB04。使用前請詳閱藥物說明書資訊及注意事項 衛署罕菌疫輸字第 000005 號 Ref: TWPI version: TW201706-SmPC2012+CCDSv4\_201612

每兩週使用一次

1 mg/kg

Fabrazyme  
治療法布瑞氏症



  
**Fabrazyme<sup>®</sup>**  
 agalsidase beta  
 1 mg/kg/2 weeks

法布瑞酶凍晶注射劑35毫克/小瓶

sanofi

賽諾菲股份有限公司  
 台北市信義區11010松仁路3號7樓  
 電話：(02)2176-5588 傳真：(02)2176-5590

使用前詳閱說明書警語及注意事項  
 本藥限由醫師使用 詳細處方資料備索  
 衛署罕菌疫輸字第 000005 號  
 北市衛藥廣字第 112030108 號  
 MAT-TW-2300012-1.0-03/2023

BEST CHOICE

# 45X

# 酸性濃縮液

國內首創

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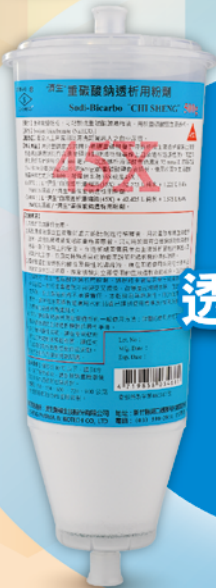
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醫療廢棄物

友善環境  
減少碳排

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重碳酸鈉  
透析用粉劑  
45X



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## 濟生醫藥生技股份有限公司

### Chi Sheng Pharma & Biotech Co., Ltd.

新竹縣湖口鄉勝利村實踐路3號 | 「TEL: 03-5983811 | FAX: 03-5982855」



***2023 Annual Meeting  
of Taiwan Society of Nephrology***