



*Our Heart For Dialysis*

# Dialysis Access Synergy DASy

**5 - 7 Oct 2023**

**Singapore**



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## ➤ Organizing committee



**Jackie Ho**  
Singapore



**Lu Mingxi**  
China



**Masaaki Murakami**  
Japan



**Sabrina Haroon**  
Singapore



**Behram Ali Khan**  
Singapore



**Justin Kwan**  
Singapore



**Darryl Lim Mingjun**  
Singapore



**Meng Lingyan**  
Singapore



**Ng Jun Jie**  
Singapore



**Tan Chieh Suai**  
Singapore

## ➤ Overseas faculty



**Shannon Thomas**  
Australia



**Leonardo Cortizo**  
Brazil



**Fu Qining**  
China



**Shi Yaxue**  
China



**Wang Pei**  
China



**Wang Yufei**  
China



**Wu Chunyan**  
China



**Yue Jianing**  
China



**Yu Zhengya**  
China



**Zhan Shen**  
China



**Robert Shahverdyan**  
Germany



**Law Man Ching**  
Hong Kong SAR



**Skyi Pang**  
Hong Kong SAR



**Virender Sheorain**  
India



**Billy Karundeng**  
Indonesia



**Hiroaki Haruguchi**  
Japan



**Akira Miyata**  
Japan



**Kanako Oka**  
Japan



**Kazuhiro Sato**  
Japan



**Kotaro Suemitsu**  
Japan



**Yoshihiro Yamamoto**  
Japan



**Han Kichang**  
Korea



**Benjamin Leong**  
Malaysia



**Liew Ngho Chin**  
Malaysia



**Chang Chien Hwa**  
Taiwan



**Ko Po Jen**  
Taiwan



**Ussanee Boonsrirat**  
Thailand



**Keerati Hongsakul**  
Thailand



**Suthas Horsirimanont**  
Thailand



**Nutsiri Kittitirapong**  
Thailand



**Prasopchai Kongsakphaisal**  
Thailand



**Kittipan Rerkasem**  
Thailand



**Boonying Siribumrungwong**  
Thailand



**Withoon Ungkitphaiboon**  
Thailand



**Nicholas Inston**  
United Kingdom



## ➤ Local faculty



**Chai Chung Cheen**  
Singapore



**Chen Shune**  
Singapore



**Chong Tze Tec**  
Singapore



**Edward Choke**  
Singapore



**Anil Gopinathan**  
Singapore



**Farah Irani**  
Singapore



**Jimmy Kyaw Tun**  
Singapore



**Titus Lau**  
Singapore



**Chirstopher Leo**  
Singapore



**Lew Peishi**  
Singapore



**Tay Hsien Tsung Luke**  
Singapore



**Rahul Lohan**  
Singapore



**Joseph Lo**  
Singapore



**Emmanuel Pelingon**  
Singapore



**Pua Uei**  
Singapore



**Pang Suh Chien**  
Singapore



**Pauline Tan**  
Singapore



**Tan Ru Yu**  
Singapore



**Tay Kiang Hiong**  
Singapore



**Wong Weng Kin**  
Singapore



**Jasmin Wong**  
Singapore



**Zhuang Kun Da**  
Singapore

## ➤ Educational sponsors & exhibitors

### Platinum Sponsor



### Silver Sponsor



### Bronze Sponsor



### Special Contribution

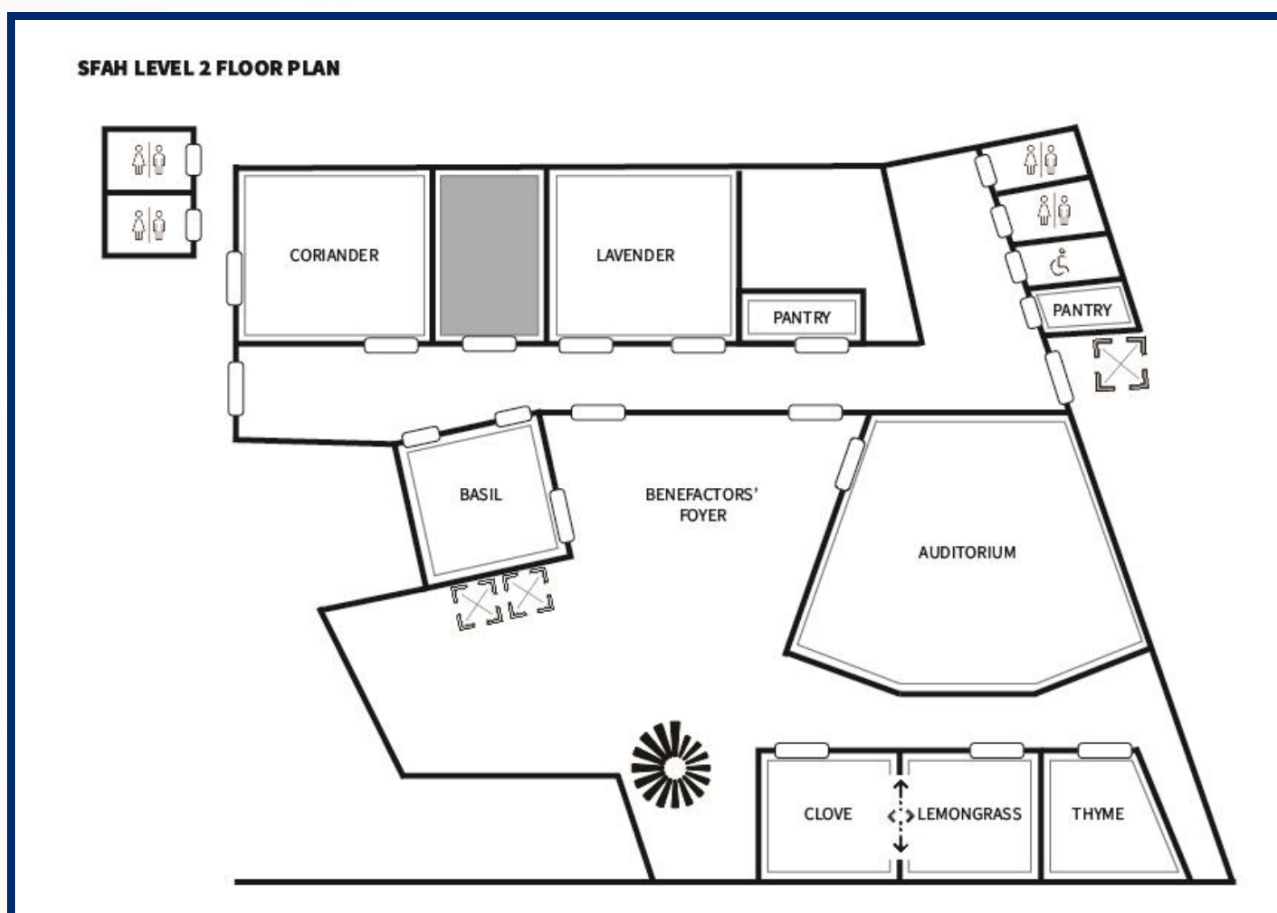


### Exhibitors



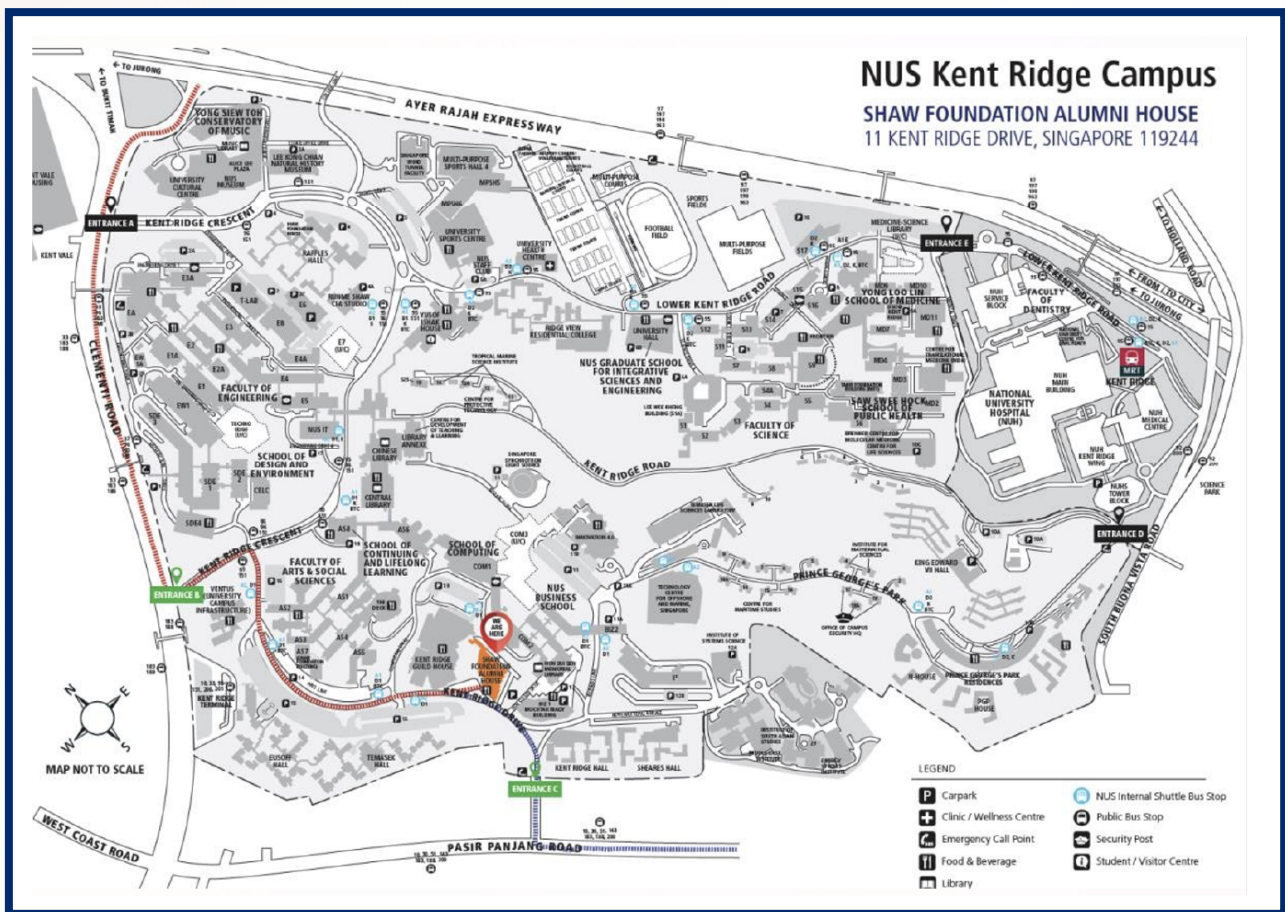


## ➤ Shaw Foundation Alumni House (SFAH) floor plan & breakout session location

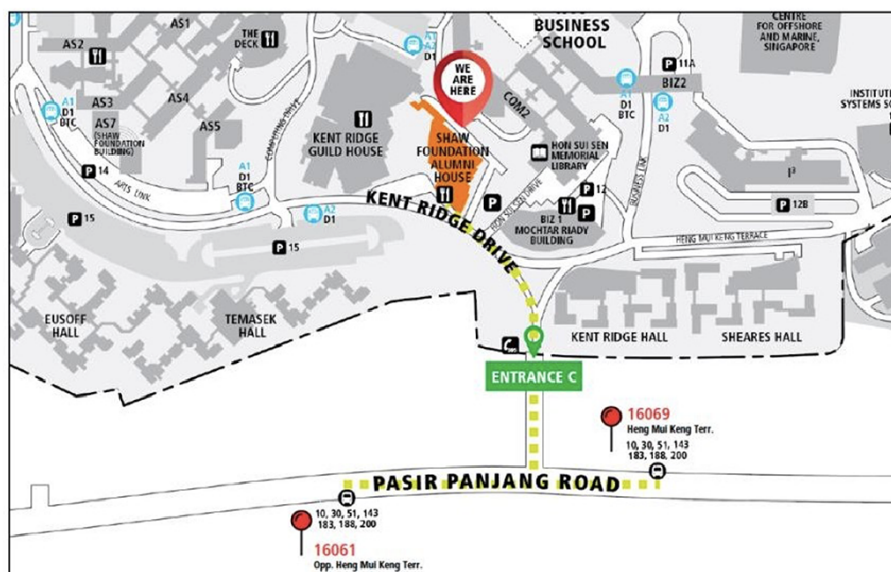


Breakout sessions on 5 <sup>th</sup> Oct (parallel sessions)	Breakout room
Master Class in Endo AVF	Coriander
Master Class in USG guided HD access intervention	Lavender
Master Class in Salvage of thrombosed HD access	Auditorium
CVC insertion hands-on	Clove
<b>USG training course on 8<sup>th</sup> Oct</b>	Lavender
Faculty preparation room	Basil

## ➤ SFAH location map, public transportation



### GETTING TO NUS SHAW FOUNDATION ALUMNI HOUSE (SFAH) BY PUBLIC BUS



- 16061**  
Opp. Heng Mui Keng Terr.
- 1** Cross the road and walk straight ahead to Heng Mui Keng Terrace.
- 16069**  
Heng Mui Keng Terr.
- 1** Turn right onto Heng Mui Keng Terrace.
- 2** Slight left onto Kent Ridge Dr. (Pass by Mochtar Riady Building on the right).
- 3** Cross the road and turn right to SFAH.



## ➤ Shuttle arrangement

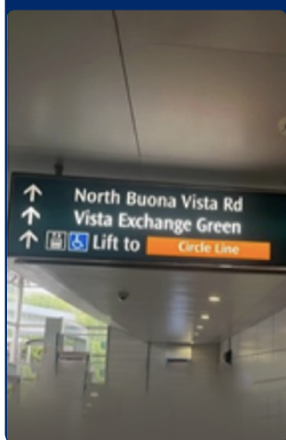
Date	From	To	Departing Time
5 <sup>th</sup> Oct	Buona Vista MRT station	SFAH (NUS)	12:50
	Park Avenue Rochester	SFAH (NUS)	12:50
	SFAH (NUS)	Park Avenue Rochester/ Buona Vista MRT	17:00
6 <sup>th</sup> Oct	Buona Vista MRT station	SFAH (NUS)	07:40
	Park Avenue Rochester	SFAH (NUS)	07:40
	Park Avenue Rochester / Buona Vista MRT station	SFAH (NUS)	12:00
	SFAH (NUS)	Buona Vista MRT station	19:15
	SFAH (NUS)	Park Avenue Rochester	19:15
7 <sup>th</sup> Oct	Buona Vista MRT station	SFAH (NUS)	08:00
	Park Avenue Rochester	SFAH (NUS)	08:00
	Park Avenue Rochester / Buona Vista MRT station	SFAH (NUS)	12:00
	SFAH (NUS)	Buona Vista MRT station	18:00
	SFAH (NUS)	Park Avenue Rochester	18:00

### BUONA VISTA MRT PICK-UP

Exit from Buona  
Vista Exit C



Turn Left



Walk until you  
see the taxi and  
bus pick up



Wait for the  
shuttle with  
DASy signage



➤ Boston Scientific product

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Boston  
Scientific

**Ultra-High Pressure.  
Ultra-Low Profile.**

Optimized Deliverability to Reach and Treat Challenging Lesions



PI-859206-AB

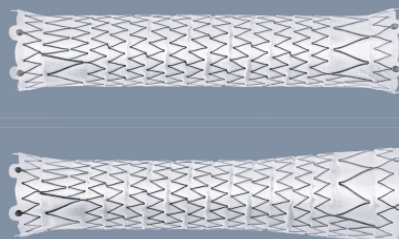


## ➤ Becton Dickinson (BD) product

### COVERED STENTS

## Proven Performance through Innovative Design

- Highly flexible and fracture-resistant base stent architecture
- Dual layer ePTFE encapsulation with Carbon impregnation on the luminal surface
- Straight and flared configuration for optimal adaptation to the venous anatomy



#### COVERA™ / COVERA™ Plus Vascular Covered Stent Device Specifications

Main Material(s)	ePTFE, Nitinol
Implant Diameters (mm)	6, 7, 8, 9, 10
Implant Lengths (mm)	30*, 40, 60, 80, 100
Configurations	Flared and straight
Guidewire Compatibility	0.035"
Sheath Compatibility	8 F, 9 F
System Working Lengths	80 cm, 120 cm

<sup>3</sup> The AVEA Clinical Study was a prospective, non-randomized, single arm multi-center study of the COVERA™ Vascular Covered Stent used to treat stenoses at the anastomosis of an arteriovenous graft and outflow vein. 110 patients were treated with the COVERA™ Vascular Covered Stent at 14 investigational sites in the US. Target Lesion Primary Patency (TLPP) of 71%, defined as the interval following the index intervention until the next clinically-driven reintervention at or adjacent to the original treatment site or until the extremity was abandoned for permanent access. AVEA Clinical Study, Data on File, Bard Peripheral Vascular Inc., Tempe AZ. Complications and Adverse Events associated with the use of the COVERA™ Vascular Covered Stent may include the usual complications associated with endovascular stent and covered stent placement and dialysis shunt revisions.

**71%**  
Target Lesion  
Primary Patency  
at 6 Months<sup>3</sup>

**147**  
Days Between  
Interventions to  
Maintain TLPP<sup>3</sup>

**COVERA™**  
Vascular Covered Stent

**COVERA™ PLUS\***  
Vascular Covered Stent

\* Only available in straight configuration

## ➤ Medtronic product

# Medtronic

# Less invasive, long lasting

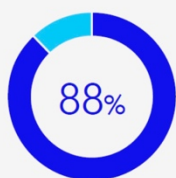


## Ellipsys™ Vascular Access System

The Ellipsys™ vascular access system offers a single point of venous access that makes AVF creation easier on your ESKD patients.<sup>1</sup>

### Clear clinical outcomes

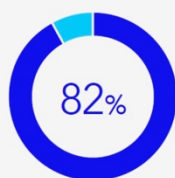
The Ellipsys system is the only one of its kind with five-year U.S. clinical trial data<sup>1,2</sup> demonstrating three critical metrics.



maturation rate  
at 90 days<sup>1</sup>



functional patency  
at five years<sup>2</sup>



cumulative patency  
at five years<sup>2</sup>

1.Hull JE, et al. The pivotal multicenter trial of ultrasound-guided percutaneous arteriovenous fistula creation for hemodialysis access. *J Vasc Interv Radiol.* Feb 2018;29(2):149-158.e5.

2.Hull JE, et al. Long-term results from the pivotal multicenter trial of ultrasound-guided percutaneous arteriovenous fistula creation for hemodialysis access. *J Vasc Interv Radiol.* 2022. <https://doi.org/10.1016/j.jvir.2022.05.016>.

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## ➤ DK MEDTECH product



**DKutting™**

**PTA Scoring Balloon**

DKutting <<<



**High Pressure · Scoring**



**Dissolve AV™**

**Peripheral Scoring DCB**



>>> Dissolve AV

**High Pressure · Scoring · Drug-coating**



## ➤ Program

### ➤ 3 Master classes and one hands-on practice station (5th Oct 2023)

- Hand-on practice of tunnelled CVC insertion (Practice insertion of tunneled CVC under USG guidance over manikin)

Faculty: Boonying Siribumrungwong, Withoon Ungriphaiboon



## • Master class in USG guided HD access intervention

Chair: Lu Mingxi, Masaaki Murakami

Panel: Kazuhiro Sato, Zhan Shen, Kotaro Suemitsu

Time (Q&A duration)	Speaker	Topic
1330-1332	Lu Mingxi	Welcome and introduction
1332-1344 (6 mins)	Zhan Shen	Guidewire and catheter selection for USG guided HD access intervention
1350 -1402 (6 mins)	Kazuhiro Sato	Step by step demo of USG guided dysfunctional HD access intervention (with recorded videos)
1408-1420 (6 mins)	Kotaro Suemitsu	Access pathology assessed by USG and their behaviour and response to treatment
1426-1438 (6 mins)	Zhan Shen	Treatment of access CTO
1444-1456 (6mins)	Lu Mingxi	USG guided Stenting of access lesion - how to do it accurate and safe
3:02-3:30		<i>Tea Break</i>
1530-1542 (6mins)	Kazuhiro Sato	USG guided salvage of thrombosed HD access
1548-1613	Lu Mingxi	Case discussion (recorded case)
1613-1625 (6mins)	Lu Mingxi	Selection and usage of biopsy forceps for residual thrombus
1631-1646 (5mins)	Masaaki Murakami	Complications and pitfalls of USG guided access intervention
1651-1656		Overall discussion
1656-1658	Masaaki Murakami	Closing remarks

## • Master class in salvage of thrombosed HD access

Chair: Justin Kwan, Darryl Lim, Ng Jun Jie

Panel: Keerati Hongsakul, Lew Peishi, Skyi Pang, Yue Jianing

Time (Q&A duration)	Speaker	Topic
1300-1302	Justin Kwan, Darryl Lim, Ng Jun Jie	Welcome and introduction
1332-1342 (5mins)	Skyi Pang	Clinical and ultrasound assessment of thrombosed AV access
1347-1357 (5mins)	Yue Jianing	Selecting the best strategy in thrombosed AV access salvage – open or endovascular?
1402-1412 (5mins)	Keerati Hongsakul	Managing complications in thrombosed AV access salvage
1417-1425 (5mins)	Justin Kwan	Salvage end-point assessment
1430-1438 (5mins)	Ng Jun Jie	Postoperative management of thrombosed AV access
1443-1458	All	Overall discussion
3:00-3:30		<i>Tea break</i>
15:30-15:55	Justin Kwan	Recorded case – Percutaneous thrombolysis/catheter directed thrombolysis of thrombosed AV access
15:55-16:20	Lew Peishi	Recorded case – Percutaneous rheolytic/mechanical thrombectomy of thrombosed AV access
16:20-16:45	Ng Jun jie	Recorded case – Open surgical thrombectomy of thrombosed AV access
16:45-17:00	Justin Kwan, Darryl Lim, Ng Jun Jie	Discussion and summary of learning points



## • Master class in Endo AVF

Chair: Robert Shahverdyan, Tan Chieh Suai

Panel: Edward Choke, Chong Tze Tec, Jackie Ho, Rahul Lohan, Pang Suh Chien, Tay Kiang Hiong

Time (Q&A duration)	Speaker	Topic
1330-1332	Tan Chieh Suai, Robert Shahverdyan	Welcome and introduction
1332-1340	Rahul Lohan	Current options of Endo AVF devices
(6mins)		
1346-1354	Edward Choke	Good case of WavelinQ Endo AVF creation – ulnar artery and ulnar vein
1354-1402	Tay Kiang Hiong	Good case of WavelinQ Endo AVF creation – radial artery and radial vein
1402-1410	Chong Tze Tec	Good case of Ellipsys Endo AVF creation
1410-1418	All faculty	Discussion
1418-1426	Robert Shahverdyan	How to screen patient for suitability of Endo AVF creation
(6mins)		
1432-1452	Robert Shahverdyan / Jackie Ho	Live screening of upper limb vessels
1452-1530		<i>Tea break</i>
1530-1540	Tay Hsien Tsung Luke	Endo AVF maturation assessment and maturation assist procedure
1540-1548	Pang Suh Chien	Facilitate cannulation for Endo AVFs
1548-1556	All faculty	Discussion
1556-1606	Tay Kiang Hiong	Challenging conditions in Endo AVF – intra-op
1606-1616	Rahul Lohan	Challenging conditions in Endo AVF – post maturation
1616-1624	All faculty	Discussion
1624-1632	Tan Chieh Suai	Pearls of case selection to maximize Endo AVF success
1632-1638	Jackie Ho	Building the EndoAVF service
1638-1646	All faculty	Discussion – Pearls and advice on successful EndoAVF
1646-1715		Hands-on practice of Mantice EndoAVF procedure

## 6<sup>th</sup> Oct 2023 Friday Main Conference (08:15 – 17:50)

### ➤ Main conference Day 1 (6<sup>th</sup> Oct 2023-AM)

#### Session 1: Preparation for the expanding wave of Dialysis access demand

Chair: Liew Ngoh Chin, Wong Weng Kin

Panel: Chai Chung Cheen, Ko Po Jen, Behram Ali Khan, Titus Lau

Total time: 102 mins

Time (Q&A session)	Speaker	Topic
0820-0828 (4mins)	Kittipan Rerkasem	Training dialysis access surgeons to catch up the demand
0832-0840 (4mins)	Prasopchai Kongsakphaisa	“High speed production” of AVFs
0844-0852 (4mins)	Ussanee Boonsrirat	Streamline PD initiation and encourage higher uptake of PD
0856-0904 (4mins)	Wu Chunyan*	Training dialysis nurses as the frontline to safeguard HD access
0908-0916 (4mins)	Emmanuel Pelingon	Vascular sonographer – an important team player in HD access service
0920-0928 (4mins)	Billy Karundeng	Endovascular salvage of dysfunctional HD access under restricted healthcare resources
0932-0940 (4mins)	Lu Mingxi	Solely USG guided HD access salvage to minimize healthcare cost
0944-0952 (4mins)	Masaaki Murakami	Brachial artery transposition as an economic way of managing central vein obstruction
0956-1002	All Faculty	Overall discussion

\*Virtual speaker

**Tea break: 10:02-10:17(15mins)**



## Session 2: Tunneled Catheter for HD

**Chair:** Anil Gopinathan, Virender Sheorain

**Panel:** Farah Irani, Kazuhiro Sato, Wong Weng Kin

Total time: 66 mins

Time (Q&A session)	Speaker	Topic
1017-1047	Suthas Horsirimanont Nutsiri Kittitirapong [Live from Bangkok]*	Live case (Crossing central vein obstruction and tunneled CVC insertion)
1047-1055 (4mins)	Akira Miyata*	When tunneled catheter considered a favorable access option
1059-1107 (4mins)	Withoon Ungkitphaiboon	Managing fibrin sheath of tunneled CVC
1111-1119 (4mins)	Jimmy Kyaw	Controversies in the management of TDC complications

\*Virtual speaker

## Session 3: Manage central vein obstruction

**Chair:** Jackie Ho, Farah Irani

**Panel:** Chang Chien Hwa, Skyi Pang, Virender Sheorain

Total time: 65 mins

Time (Q&A session)	Speaker	Topic
1125-1201	Shi Yaxue, Boonying Siribumrungwong, Jackie Ho	Case discussion
1201-1216	Keerati Hongsakul	Central vein CTO intervention (recorded case)
1216-1224	Benjamin Leong	Danger of treating central vein obstruction
1224-1230	All Faculty	Discussion

## • Lunch symposium (Becton Dickinson BD)- 1240-13:40HR

Chair: Tan Chieh Suai, Jackie Ho

Panel: Nick Inston, Kazuhiro Sato, Boonying Siribumrungwong

Time (Q&A)	Speaker	Topic
<i>Access creation</i>		
1240-1249 (4mins)	Kotaro Suemitsu	Optimizing HD access with Symmetric Tip Chronic Dialysis Catheter
1253-1302 (4mins)	Chong Tze Tec	From learning to mastering EndoAVF system : Singapore experience
	<i>Restoration</i>	
1306-1315 (4mins)	Virender Sheorain	Ultra Non-compliant balloon as First Choice for AV access stenosis
	<i>Maintenance</i>	
1319-1328 (4mins)	Chang Chien Hwa	Covered stents in Dysfunctional AV access: Guidelines to Real World Practice



## ● Main conference Day 1 (6<sup>th</sup> Oct 2023-PM)

### Session 4: Achieving high HD access success

Chair: Benjamin Leong, Shi Yaxue

Panel: Nick Inston, Yue Jianing, Liew Ngho Chin, Boonying Siribumrungwong, Yu Zhengya

Total time: 60mins

Time (Q&A session)	Speaker	Topic
1350-1358	Prasopchai Kongsakphaisa	Tips and tricks to ensure a high AVF success rate
1358-1406	Kittipan Rerkasem	Is limb exercise effective in promoting AVF maturation?
1406-1414	Lingyan Meng	Risk score for failure-to-mature
1414-1420	All Faculty	Discussion
1420-1428	Shannon Thomas	AVF maturation with adjuvant endovascular maturation
1428-1436	Masaaki Murakami	Simultaneous RC AVF creation and brachial artery transposition to maximize functional success
1436-1444	Robert Shahverdyan	Value of external skeleton on AVF maturation
1444-1450	All Faculty	Discussion

### Session 5: HD access salvage part 1

Chair: Jackie Ho, Lu Mingxi

Panel: Fu Qining, Hiroaki Haruguchi, Kazuhiro Sato, Boonying Siribumrungwong

Total time: 50 mins

Time (Q&A session)	Speaker	Topic
1452-1514	Wang Pei / Wang Yufei [Live case from Zhengzhou*]	Live case - USG guided thrombosed access salvage
1514-1522	Kotaro Suemitsu	Effect of DCB on different USG morphology lesions
1522-1530	Hiroaki Haruguchi	Tips and tricks of USG guided crossing difficult AVF inflow lesions
1530-1538	Lu Mingxi	USG guided stenting for HD access
1538-1542	All Faculty	Discussion

\*Virtual speaker

**Tea break: 15:42-16:00 (18 mins)**

## Session 6: HD access salvage Part 2

Chair: Ng Jun Jie, Zhang Kun Da

Panel: Nick Inston, Billy Karundeng, Rahul Lohan, Skyi Pang, Virender Sheorain

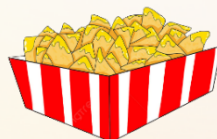
Total time: 107mins

Time (Q&A session)	Speaker	Topic
1600-1613	Han Kichang*	Salvaging big size fistula thrombosis (Case discussion format)
1613-1623	Hiroaki Haruguchi	USG guided thrombosed AVF salvage
1623-1631	Yue Jianing	Push and pull method to handle HD access thrombosis
1631-1637	All Faculty	Discussion
1637-1645	Boonying Siribumrungwong	Covered stent for access salvage
1645-1653	Yoshihiro Yamamoto* /Masaaki Murakami	Stent-graft for failing AVG vs surgical bypass
1653-1701	Virender Sheorain	5-year outcome of covered stent for failing Basilic vein transposition
1701-1709	Zhan Shen	Combination of Covered stent & AVG for salvage
1709-1715	All Faculty	Discussion
1715-1723	Keerati Hongsakul	DES vs Biomimic stent for AVG outflow obstruction
1723-1731	Chang Chien Hwa	Surgical radial artery deviation and re-implantation (RADAR) for resistant AVF juxta-anastomosis stenosis
1731-1739	Yu Zhengya	Surgical salvage for cephalic arch stenosis
1739-1747	All Faculty	Discussion

\*Virtual speaker

## • Welcome reception and networking (SFAH):

18:00 – 19:00



**Main conference Day 2 program and USG training course  
- continue on page 27 -**



## SONIMAGE MX1 PREMIUM

**Advanced Technology for Superior Image**

Konica Minolta's advanced technology features allow improved image detail and contrast resolution that provide precision diagnosis and better patient outcomes. High frequency linear probe "L18-4" provides exceptional image quality with an advanced level of Tissue Harmonic "T<sup>2</sup>HI", and it is particularly ideal for superficial imaging.

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- 6C1 - Abdominal Single Crystal Transducer
- 14L4 - Small parts, breast transducer
- Pediatric Hip measurements

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## Ultra WANTY™

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- Double lumen design shortens inflation/deflation time.
- 14/18/35 guidewire compatibility offers clinical versatility.

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Chronic dialysis  
catheter family

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## Innovation Defines

### Point Of Care Ultrasound Solution

Mindray point of care (POC) solution series adopts advanced technologies and integrates them into an accessible, patient-centered solution. It allows clinicians to reimagine their clinical practice in demanding environments such as critical care and emergency medicine, helping to deliver a higher quality of service at any point of care.

**mindray**

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- Safe needling toolkit: eSpatial Navi and Needle available
- A 15" touch screen with a 3-second startup time from standby state
- Seamless connectivity: eGateway, DICOM/HL7 and iStorage available for connectivity

#### TEX20 Series

Point of Care, Reimagined

- ZST™: Clinical confidence with ZST™ platform and Single Crystal technology
- Smart tools: 10 smart tools throughout the decision-making process
- X-Link: Synchronized patient data and ultrasound assessment
- X-Pilot: Intuitive decision flow
- AI in one solution: A workhorse to address day-to-day needs and to handle challenging cases and urgent mobile scenarios
- Robust POC design: 23.8" rotatable screen with splash-proof design
- Wireless probe: Best-in-class wireless handheld phase array ultrasound



#### Consona N series

Excellent image quality empowered by ZST™ platform and Single Crystal strain technology  
Consona delivers a complete elastography solution with best-in-class shear wave and strain technology  
Smart Scan 3D, full-stack intelligent ORG solution combined with realistic 3D/4D imaging  
Comprehensive cardio-vascular solution, including multi-flow imaging and measurement functions, cardiac function analysis, and more



#### ME Series

Dedicated POC Portable System

- ZST™ platform: Precise imaging with clinical confidence
- Robust design: 3 kg in weight, 44 mm in thickness, a magnetic splash-proof power socket
- A 12.3" touch screen with an intuitive function flow design
- U-Bank: The accompanying power bank supports up to 8 h of scanning



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#### Stabilization platform

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Increased patient comfort and reduced risk of vessel injury with appropriate flow rates

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#### Passive safety shield

Designed to prevent needlestick injuries

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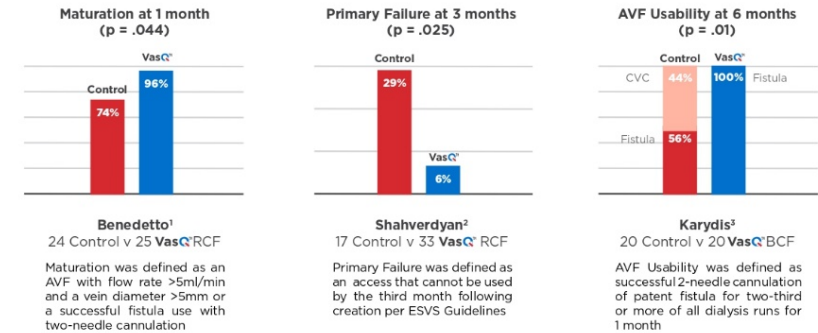
**BRAUN**  
SHARING EXPERTISE



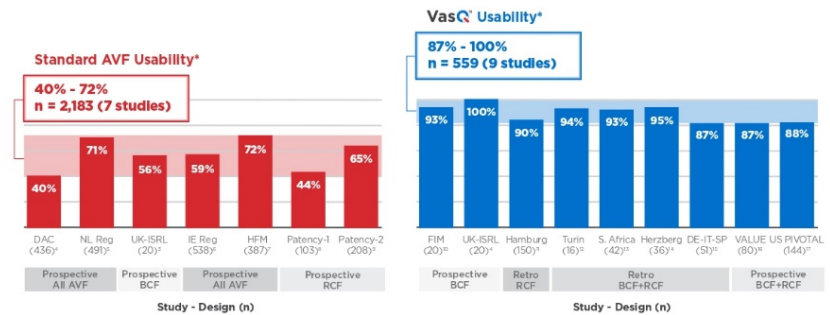
## AVFs Demonstrated Consistently High Usability\* Rates

Results from multiple studies evaluating usability of the VasQ AVFs

### Maturation & Usability Outcomes From VasQ® Controlled Studies



### Summary of Usability Data for VasQ® & Standard AVF Creation

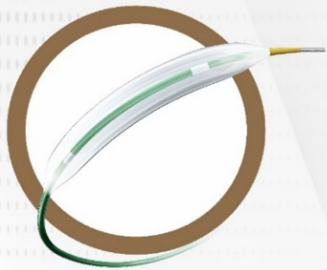


\*Usability was generally defined as confirmed use of the AVF to deliver dialysis although some studies required evidence of multiple uses over a set time period

- Benedetto et al. J Vasc Access 2021 (Online)
- Shahverdyan et al. J Vasc Access 2021;22(2):166-172
- Karydis et al. Am J Kidney Dis 2019;75(1):45-53
- Dember et al. JAMA 2008;299(18):2164-2171
- Huipregts et al. Clin J Am Soc Nephrol 2008;3:14-719
- Masengou A. et al. Clin Kidney J 2016 Feb;9(1):142-7
- Allon, et al. Am J Kidney Dis 2018;71(5):677-689
- Bleyer et al. J Vasc Surg 2019;69:507-15
- Peden et al. J Vasc Access 2021 (Online)
- Chemla et al. J Vasc Access 2016; 17(3):243-248
- Shahverdyan et al. Seminars in Dialysis 2022 (Online)
- Leonardi et al. J Vasc Access 2021;22(4):658-665
- Publications in progress. Data on file with Laminarte.
- Swiecka, Zippel, Storck GMS 2021
- Shahverdyan et al. J Vasc Surg 2022;75(1):248-254
- Karydis, Mallios, Mestres, Matoussévitch VAS 2021
- Dillavou, Ozaki, Hentschel, Lucas VIETH 2021



## Full Sizes Of Workhorse PTA Portfolio



### **Rialto NC 0.014"**

Designed to treat BTK lesions



### **Erasmus NC 0.018"**

Excellent for high pressure dilatation  
and lesion preparation



### **Millau NC 0.035"**

Engineered for all PTA including AVF



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Fresenius Medical Care is the world's leading provider of products and services for individuals with renal diseases of which around 3.9 million patients worldwide regularly undergo dialysis treatment.

In Singapore, we began operation in 1997. Under our service provider business, Fresenius Kidney Care, the company is now the largest private provider of dialysis treatments in the country. Together we deliver our vision - Creating a future worth living. For patients. Worldwide. Everyday.

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## ➤ Main conference Day 2 (7<sup>th</sup> Oct 2023-AM)

### Session 1: Advances in Nursing care for Dialysis access

Chair: Lillian Lou, Christopher Leo

Panel: Chai Chung Cheen, Titus Lau, Pauline Tan, Zhan Shen

Total time: 48mins

Time (Q&A session)	Speaker	Topic
0830-0838 (4mins)	Chen Shune	Value of USG guided cannulation of HD access
0842-0850 (4mins)	Lillian Lou	Dialysis nurses shouldering Vascular Access patient education
0854-0902 (4mins)	Pauline Tan	Nocturnal dialysis service to facilitate patients' lifestyle
0906-0914 (4mins)	Kanako Oka	Benefit and safety of patients using plastic cannula based on evidence.

### Session 2: Data speaks

Chair: Ko Po Jen, Lu Mingxi

Panel: Shannon Thomas, Yu Zhengya

Total time: 20 mins

Time (Q&A session)	Speaker	Topic
0920-0927	Ng Jun Jie	How is thrombosed HD access impact on the clinical service?
0927-0934	Tan Chieh Suai	Value driven care for thrombosed vascular access
0934-0940	All Faculty	Discussion

### Session 3: Endo AVF

Chair: Robert Shahverdyan, Tan Chieh Suai

Panel: Edward Choke, Rahul Lohan, Tay Kiang Hiong

Total time: 64 mins

Time	Speaker	Topic
0942-0950	Tay Kiang Hiong	Current EndoAVF technology and patient selection
0950-0958	Robert Shahverdyan	5 years data of Endo AVF, how it compares to surgical AVF?
0958-1006	Chong Tze Tec	How does Endo AVF fit into current vascular access services
1006-1014	All Faculty	Discussion
1014-1022	Tan Chieh Suai	Lessons learnt from Endo AVF program
1022-1030	Pua Uei*	Challenges in EndoAVF – during and after creation
1030-1038	Nick Inston	Challenges of maturation and maintenance of endo AVF
1038-1046	All Faculty	Discussion

\*Virtual speaker

**Tea break: 10:46-11:06 (20min)**

## Session 4: Out-of-the-box solution

**Chair:** Skyi Pang, Yue Jianing

**Panel:** Benjamin Leong, Rahul Lohan, Ng Jun Jie, Zhang Kun Da

Total time: 48 mins

Time (Q&A session)	Speaker	Topic
1106-1114 (4mins)	Leonardo Cortizo* (SAVE Brazil Dialysis Access Symposium)	Out of the solutions for central venous occlusion
1118-1126 (4mins)	Nick Inston	Un-usual configuration of Endo AVF
1130-1138 (4mins)	Shannon Thomas	BYBAND procedure for high flow AVFs
1142-1150 (4mins)	Jackie Ho	Fly-over resistant CTO lesions in HD access

\*Virtual speaker

## Session 5: Dialysis @ Home

**Chair:** Behram Ali Khan, Wong Weng Kin

**Panel:** Ussanee Boonsrirat, Chai Chung Cheen, Liew Nghoh Chin, Pauline Tan

Total time: 70 mins

Time (Q&A session)	Speaker	Topic
1156-1204 (5mins)	Behram Ali Khan	Provision of cost effective and innovative PD systems in Singapore—An orphaned project
1209-1217	Titus Lau	Building up home hemodialysis program in Singapore
1217-1225	Law Man Ching*	Fitting home HD to a compact living environment
1225-1233	Sabrina Haroon	Vascular access management in home hemodialysis
1233-1241	Jasmin Wong	Technology to give more freedom of lifestyle for HD patients
1241-1249	Behram Ali Khan	How to ensure smooth switching between PD and HD?
1249-1258	All Faculty	Discussion

\*Virtual speaker



## ● Lunch symposium (Boston Scientific): 13:05-14:05HR

Chair: Masaaki Murakami, Jackie Ho

Panel: Billy Karundeng, Skyi Pang, Shi Yaxue

Time (Q&A)	Speaker	Topic
1305-1314 (4mins)	Fu Qining	Optimal treatment for cephalic arch restenosis single center experience
1318-1327 (4mins)		
1331-1340 (4mins)	Tan Ru Yu	Ranger DCB for dysfunctional AVF/AVG – SGH experience
1344-1353 (4mins)		
1344-1353 (4mins)	Keerati Hongsakul	Clinical effectiveness of Eluvia DES in dysfunctional AVF

## ● Main conference Day 2 (7<sup>th</sup> Oct 2023-PM)

### Session 6: New technology & innovation

Chair: Ko Po Jen, Shannon Thomas

Panel: Keerati Hongsakul, Joseph Lo, Boonying Siribumrungwong, Kotaro Suemitsu

Total time: 48 mins

Time (Q&A session)	Speaker	Topic
1415-1422 (5mins)	Ko Po Jen	Patient-owned device for access care
1427-1434 (5mins)		
1439-1446 (5mins)	Lu Mingxi	Mobile solution for access data collection
1451-1458 (5mins)		
1451-1458 (5mins)	Fu Qining	Novel biological graft for HD access
1451-1458 (5mins)		
1451-1458 (5mins)	Robert Shahverdyan	2 <sup>nd</sup> generation Endo AVF
1451-1458 (5mins)		

### Session 7: Competition

Judges: Ko Po Jen, Liew Ngoh Chin, Masaaki Murakami, Kittipan Rerkasem, Robert Shahverdyan, Shi Yaxue, Shannon Thomas, Yu Zhengya

Moderator: Jackie Ho

Total time: 58mins

Time (Q&A session)		
1505-1513 (10mins)	Contestant 1	
1523-1531 (10mins)		
1541-1549 (10mins)	Contestant 2	
1559-1603		
1559-1603	Contestant 3	
1559-1603		Prize presentation

**Tea break: 16:05-16:20 (15 mins)**



## Session 8: Comprehensive & streamline service for dialysis access

**Chair:** Christopher Leo

**Panel:** Ussanee Boonsrirat, Hiroaki Haruguchi, Joseph Lo, Pang Suh Chien

**Total time:** 42 mins

Time (Q&A session)	Speaker	Topic
1620-1627 (5mins)	Tan Ru Yu	Empowering community dialysis nurses to declot tunneled catheter to minimize hospitalization
1632-1639		
1639-1646	Withoon Ungkitphaiboon	Specialized centre providing all patients need for their dialysis access
1646-1653	Pang Suh Chien	Multi-disciplinary Dialysis Access centre in the tertiary hospital
1653-1702	Robert Shahverdyan	Streamline thrombosed HD access salvage in fully equipped specialized Dialysis Access Centre
	All Faculty	Discussion

## Session 9: Nightmares to remember

**Chair:** Shannon Thomas

**Panel:** Ko Po Jen, Masaaki Murakami

**Total time:** 39 mins

Time (Q&A session)	Speaker	Topic
1704-1712 (5mins)	Liew Ngoh Chin	
1717-1725 (5mins)		
1730-1738 (5mins)	Jackie Ho	
	Robert Shahverdyan	

## Closing remarks

## ➤ USG training course of HD access evaluation and cannulation 8<sup>th</sup> Oct

Course faculty: Chai Chung Cheem, Jenny Chen Shu Ne, Chia Shi Qi, Jackie Ho, Koh Qiu Mei, Christopher Leo, Chancy Lim, Lingyan Meng, Emmanuel Pelingon

Time (Q&A session)	Speaker	Topic
0830-0840	Jackie Ho	Welcome and introduction
0840-0852 (5mins)	Koh Qiu Mei	Understanding USG & basic operations of USG machine
0857-0903 (5mins)		
0908-0916 (5mins)	Chai Chung Cheem	Anatomy and physiology of hemodialysis access circuit
0921-0927 (5mins)	Jackie Ho	Clinical examination of HD access – healthy and diseased accesses
0932-1012		
1012-1030	Jenny Chen Shu Ne	Adopting USG skill for HD access
1030-1045 (5mins)		
1050-1058 (5mins)	All Faculty	Hands-on practice of USG (perform USG among the participants) Each participant ~ 10 mins
1103-1115 (5mins)	Emmanuel Pelingon	USG assessment of HD access - good and dysfunctional access
1120-1320		
1320-1330	Jenny Chen Shu Ne	Application of USG in my daily practice in dialysis centre
1103-1115 (5mins)	Christopher Leo	USG guided access cannulation
1120-1320		
1320-1330	All Faculty	Hands-on practice of USG HD access assessment & USG guided cannulation
	All Faculty	Assessment





*Our Heart for Dialysis*

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KLVAC with DASy 2024  
13 -15 September 2024, Malaysia

