PROGRAMME BOOK

The 12th Bali Cardiology Update

"Improving Knowledge on Latest Cardiovascular Disease: Translating Guideline into Real-world Experience"

23-26 August 2023 | The Westin Nusa Dua, Bali
CHAIRMAN FOREWORD

As the COVID-19 pandemic has been resolved, we are glad to welcome our colleagues to visit the paradise island, Bali, while joining our annual meeting, the 12th Bali Cardiology update that will be held offline. We organise workshops, symposiums, plenary talks, lectures with international and national keynote speakers, and interactive gatherings from throughout regions to discuss cutting-edge discoveries to advance the profession and medications specializing in cardiovascular disease managements, providing an absolutely superb framework for professionals in cardiovascular health, researchers, scientists, healthcare specialists, academicians, and individuals with interest in cardiology. This is your best opportunity to network with the most individuals from hospitals, academic institutions, heart associations, and research facilities because there are people from all over the world interested in finding a few solutions in the field of cardiology. The opportunity to network with colleagues and hear from renowned cardiologists and cardiovascular researchers at this cardiology summit is unmatched.

Agung Pradnyana Suwirya
### Workshop I: Physical Examination in Clinical Setting: Tips and Tricks for General PIC - dr. I Made Agus Enka Permana, Sp.P

**TIME**
Wednesday, 25 August 2023
07.00 - 07.50
Registration
07.50 - 08.00
Opening by Chair :
1. Pembukaan pertemuan video bagi para peserta (bila ada) dan
diskusi
2. Pembacaan CV Chairman
3. Pemateri akan ke Chairman
08.00 - 08.10
Opening by Chairman :
Dr. I Made Agus Enka Permana, Sp.P
08.10 - 08.25
Post-test
08.25 - 08.55
Lecture 1
General approach to cardiovascular disease related to hemodynamics
Speaker :
dr. I Putu Gunarsa, FSp.P, FKPA
08.55 - 09.30
Discussion
09.10 - 09.40
Lecture 2
General approach to cardiac defect murmur
Speaker :
dr. I Ketut Raditya Surya, Sp.P, FKPA
09.40 - 09.55
Discussion
09.55 - 10.20
Lecture 3
Physical examination in Acute coronary syndrome and heart failure: what should we focused on?
Speaker :
dr. I Gusti Agung Bagus Eka Tjahjono, Sp.P, FKPA
10.20 - 10.40
Post-test
10.40 - 11.10
Lecture 4
Cardiac murmur: Interactive quiz in real cases
Speaker :
dr. I Dewa Gede Aditya
Dianpurna, Sp.P, FKPA
11.10 - 11.25
Discussion
11.25 - 11.50
Hands on: mitral valve disease (98 months)
11.55 - 12.10
Post-test
12.10 - 12.15
Closing workshop:
1. Pembacaan peserta terbaik (2 orang)
2. Pembacaan video bagi para peserta (bila ada)

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### Workshop II: ACS

**TIME**
Wednesday, 25 August 2023
13.00 - 13.20
Registration
13.20 - 13.40
Opening oleh Chair :
Dr. I Made Gunarsa, Sp.P, FKPA
13.40 - 13.50
Post-test
13.50 - 14.15
Lecture 1
Chest Pain in Emergency: should we consider ACS?
Speaker :
dr. I Putu Gede Budiana, Sp.P, FKPA
14.15 - 14.25
Discussion
14.25 - 14.45
Lecture 2
East Asian Paradise: From Guidance into Clinical Practice
Speaker :
dr. I Ketut Suwita Suma Tantra, Sp.P, FKPA, FACC
14.45 - 14.55
Discussion
14.55 - 15.20
Lecture 3
Evidenced Based Clinical Experiences: Long Journey for Efficiency and Safety
Speaker :
dr. I Made Junior Nuna Artha, Sp.P, FKPA, FACC, FESC, FSCAI
15.20 - 15.30
Post-test
15.30 - 15.45
Closing workshop:
Primary PCI management on ACS patients
Speaker :

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### Workshop III: All About Atrial Septal Defect: From Diagnosis to Intervention

**TIME**
Wednesday, 25 August 2023
11.10 - 11.30
Registration
11.30 - 11.40
Opening oleh Chair :
Dr. I Made Settinga Yudha Dewangga, Sp.JPPK
11.40 - 11.50
Post-test
11.50 - 12.15
Lecture 1
Opening oleh Chair :
Dr. I Made Settinga Yudha Dewangga, Sp.JPPK
12.15 - 12.45
Discussion
12.45 - 12.55
Lecture 2
Examination of Atrial Septal Defect (ASD) - Clinical and Imaging
Speaker :
dr. I Made Settinga Yudha Dewangga, Sp.JPPK
12.55 - 13.05
Post-test
13.05 - 13.30
Lecture 3
Physical Examination of ASD: What should not be missed?
Speaker :
dr. I Made Arma Widyawati, Sp.JPPK
13.30 - 13.40
Opening oleh Chair :
Dr. I Made Settinga Yudha Dewangga, Sp.JPPK
13.40 - 13.50
Post-test
13.50 - 14.15
Lecture 4
Imaging of ASD: Focus on Transesophageal and Transoesophageal Echocardiography
Speaker :
dr. I Made Arma Widyawati, Sp.JPPK
14.15 - 14.25
Discussion
14.25 - 14.50
Lecture 5
Management and post-procedural issues: Interventionist point of view
Speaker :
dr. I Made Settinga Yudha Dewangga, Sp.JPPK
14.50 - 15.15
Post-test
15.15 - 15.30
Lecture 6
Closing workshop:
1. Pembacaan peserta terbaik (2 orang)
2. Pembacaan video bagi para peserta (bila ada)
**Workshop VI: Acute Heart Failure**

**Venue:** Jakarta Room A  
**PIC:** dr. Hendry Wirawan, SpJP, FIHA

**TIME:** Thursday, 24 August 2023

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1. Pembukaan peserta terlibat (2 orang)
2. Pembukaan video transfer dan sponsor (biola ada)

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**Workshop VII: Anaphylaxis**

**Venue:** Jakarta Room A  
**PIC:** dr. Made Putra Sari Antara, SpJP, FIHA

**TIME:** Thursday, 24 August 2023

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1. Pembukaan peserta terlibat (2 orang)
2. Pembukaan video transfer dan sponsor (biola ada)

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**Workshop VIII: Peripheral Arterial & Venous Disease**

**Venue:** Jakarta Room B  
**PIC:** dr. Agung Prabowo Soemwara, SpJP

**TIME:** Thursday, 24 August 2023

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<td>12.15 - 12.30</td>
<td>Discussion</td>
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<td>1. Pembukaan materi video transfer dan sponsor (biola ada)</td>
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<td>12.45 - 12.55</td>
<td>Post-test</td>
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<td>12.55 - 13.55</td>
<td>Real Case discussion</td>
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1. Pembukaan peserta terlibat (2 orang)
2. Pembukaan video transfer dan sponsor (biola ada)
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<td>08.30 - 09.00</td>
<td>Lecture 1: Assessing LV Performance with Echocardiography</td>
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<td>Speaker: Dr. N. Gani Pratomo, Sp.P, FIBA, FASE</td>
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<td>Discussion</td>
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<td>09.00 - 09.30</td>
<td>Lecture 2: Assessing RV Performance with Echocardiography</td>
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<td>Speaker: Dr. Ika Sutrisno Wardah, Sp.PKI, FIBA</td>
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<td>Lecture 3: Pericardial Effusion and Tamponade Echocardiography</td>
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<td>Speaker: Dr. Syd Bogsari Pratomo Wiharti, Sp.PKI, FIBA, FASE</td>
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<td>10.00 - 10.30</td>
<td>Lecture 4: Echocardiography as a Non-Invasive Method of Hemodynamic</td>
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<td>Monitoring: What GPs can do</td>
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<td>Speaker: Dr. N. Mado Ayo Wulan Sari, Sp.PKI, FIBA</td>
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<td>Lecture 5: Principles of Diagnosing and Managing Disorders of the Heart</td>
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<td>Speaker: Dr. Anggun Pradineswari, Sp.P, FIBA</td>
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<td>13.00 - 14.00</td>
<td>Lecture 6: (EPI and AI) : the difference and treatment</td>
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<td>Speaker: Dr. dr. Bagus Ari Pratama, Sp.PKI, FIBA, FICA, FASE</td>
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<td>14.15 - 15.15</td>
<td>Lecture 7: Basic echocardiogram for arterial/venous disorder</td>
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<td>Speaker: Dr. Tufan, Sp.IP.S, FIBA, FICA, FACC</td>
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<td>15.15 - 16.15</td>
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<td>2. Pembacaan video bareng dengan sponsor (1 orang)</td>
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PROBANDUS : AUF, ROBY, DEMIA

PERLU 3 ORANG PROBANDUS (1 NORMAL, 1 OVD, 1 PAOD)
Echocardiography as a Non-Invasive Method of Hemodynamic Monitoring: what GPs can do?

Ni Made Ayu Wulan Sari
Cardiology and Vascular Medicine Department
Medical Faculty Udayana University/Prof Ngoerah Hospital Denpasar Bali

(Presented in Workshop of 12th BAC UP, 24th of August 2023)

ABSTRACT
Echocardiography has the ability to noninvasively evaluate and track both RV and LV hemodynamic status. Echocardiography can be used to manage the response to fluid resuscitation in critically ill patients who are at risk for heart failure or tissue hypoperfusion. Traditional monitors, such as central venous catheters or pulmonary artery (PA) catheters, have not been found to improve survival or decrease length of stay in hospitalized patients. PA catheters, when used to estimate left atrial (LA) pressure (LAP), can cause PA rupture. They are typically calibrated with saline filled transducers at the bedside and therefore can be inaccurate in the assessment of LV filling pressures because of waveform artifacts, damping, and airway pressure, especially in ventilated patients. Serial examination of two-dimensional (2D) and Doppler indices can be used to monitor stroke volume (SV) and overall volume status.

The use of echocardiographic monitoring is a new concept that has emerged in several different fields that include cardiology, emergency medicine, anesthesiology, and critical care. As echocardiography becomes more portable, monitoring with echocardiographic techniques will be used to greater degrees in patient management decisions. Although echocardiographic monitoring has proved useful in several specific areas outlined in this review, the technique is heavily operator dependent and demands that continuous quality improvement measures be implemented for all practicing echocardiographers within an institution, to ensure that Doppler and anatomic measurements are following established technical guidelines that have been published.

Keyword: Echocardiography, hemodynamic, critically ill
Echocardiography as a Non-Invasive Method of Hemodynamic Monitoring: what GPs can do?

Echo Hemodynamic Monitoring Tools: critically ill

- 2D Echo
- Doppler Monitoring
- Coloured Monitoring

What GPs can do?

1. Hyponatraemia
2. Acute LVF
3. Respiration failure
4. Pericardial Tension

Inferior Vena Cava (IVC) Size and collapsibility

Mitral Inflow

TDI
Stroke Volume (SV) and Cardiac Output (CO)

SVR

$$SVR = \frac{MAP - RA \text{ pressure (mmHg)/CO (L/min)}}{80}$$

PA systolic pressure (PASP)

PASP estimation by the Doppler TR signal
- The most common method used
- Measurement of the peak tricuspid regurgitant (TR) jet velocity with the use of continuous wave Doppler
- Bernoulli equation: $\text{PASP} = 4 \times \text{VTR}$ in the absence of pulmonary valve stenosis
- Requires estimation of the right atrial pressure

Hypotension (shock)

Monitoring fluid, blood, and vasopressor management

Invasive
- Central venous pressure (CVP)
- PA Catheter (CO)
- Mean arterial pressure (MAP)

Main invasive
- IVC collapsibility ~ CVP
- LVOT stroke distance ~ CO
- Arm Blood Pressure ~ MAP

Hypotension (shock)

LVOT VTI response to PLR

An increase in LVOT VTI of >10% during PLR indicates increase in SV to response to intravascular fluids

ALL PATIENTS
Conclusion

- Echocardiography-based hemodynamic measurements that can be used to diagnostic and serially measure the response to medical interventions

- Echocardiography and ultrasound are great fun and will make your working life more interesting (at the ERI)
Perhimpunan Dokter Spesialis Kardiovaskular Indonesia (PERKI) Cabang Bali
Gedung Pelayanan Jantung Terpadu, Lt. 4 RSUP Prof. dr. I.G.N.G. Ngoerah Denpasar
Jl. Kesehatan No. 1 Denpasar 80114 | Phone / Fax (0361) 257518
e-mail: perkibali@gmail.com
23rd - 26th August 2023 | The Westin Nusa Dua, Bali

Translating Guidelines into Real-World Experience
Improving Knowledge on Latest Cardiovascular Disease
Workshop of Echocardiography
in the 12th Bali Cardiology Update 2023

SPEAKER

as

DR. NI Made Ayu Wulian Sar, SpJP-EKO(K), FIHA

This certificate is proudly presented to

CERTIFICATE