

International Collaboration

The Simulation Society (TSS)

&

**International Society of Cardiovascular
ultrasound (ISCU)**

J O I N T A C T I V I T I E S

Last 5 Years

(2016-2021)

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About The Simulation Society

The Simulation Society is a non-profitable Medical Association seeking collaboration with academic partners. It recruits permanent position of its Executive Body till they live. The members do not rotate at any position. All the enrolled Fellows are permanent life members of the Society.

The Journal of Cardiac Critical Care (JCCC) of The Simulation Society has editorial Board Members who are Honorary Life members. During the last five years The Simulation Society has the following to its credit.

1. Permanent Life members : **760**
2. Online Fellowships in Cardiac Critical Care (FICCC) for the last 5 years – **154 Fellows**
3. Online Fellowships in Extracorporeal Membrane Oxygenation (ECMO) for the last 3 years – **206 Fellows**
4. Online Fellowships in Echocardiography (FIECHO) for the last 4 years: **78 Fellows**
5. Online Fellowships in Cardio Diabetes (FICD) for the last 3 years: **21 Fellows**
6. Online Fellowships in ECMO Specialist for the last 2 years: **35 Fellows**

7. Certificate Course in Patient Blood Management - **100 Fellows**
8. Online Certificate Course in Cardiac Nutrition – **50 Fellows**
9. Online Certificate Course in ECMO – **88**
10. Online Certificate 3 Months Course in Echocardiography –
136 Fellows

ONLINE FELLOWSHIPS

**The Simulation Society (TSS) and
International Society of
Cardiovascular Ultrasound (ISCU)**

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Year Wise details of Online Fellowships

2016 - 17			
Fellowship Name	Total Fellows	Pass	Fail
FICCC	41	38	3
2017 - 18			
FICCC	31	30	1
FIAE	12	12	0
FIBE	8	8	0
TOTAL	51	50	1
2018 - 19			
ECMO	149	106	43
FICCC	44	27	17
FIECHO	19	10	9
FICD	9	6	3
TOTAL	221	149	72
2019 - 20			
ECMO	19	11	00
FICCC	19	14	1
FIECHO	19	5	2
FICD	2	0	2
ECMO Specialist	21	21	0
TOTAL	80		
2020 - 21			
ECMO	38		
FICCC	19		
FIECHO	20		
FICD	10		
ECMO Specialist	9		
TOTAL	96		
PBM Course	100	98	2
GRAND TOTAL	589		

EDITORIAL BOARD MEMBERS: 46

Honorary Members: 125

TOTAL LIFEMEMBERS: 760



ONLINE FELLOWSHIP IN ECMO

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TOPICS COVERED

- Types of ECMO - Veno-arterial and Veno-venous
- ECMO Hardware
- How to setup ECMO Run and Maintain ECMO
- ECMO in ARDS
- ECMO in Cardiogenic shock
- Monitoring during ECMO
- Complications in ECMO
- E-CPR and Cardio Help
- Management of bleeding during ECMO
- Drugs during ECMO
- Echo in ECMO
- Mechanical assist devices - IABP in ECMO and VAD
- ECMO as a bridge to transplant
- Post-Cardiotomy ECMO in adults and pediatrics
- ECMO CPR





ONLINE FELLOWSHIP IN CARDIAC CRITICAL CARE

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TOPICS COVERED

- Echocardiography in the ICU
- Haemodynamic Monitoring in the ICU
- CRRT, Dialysis
- Haematological & Coagulation management:
 - TEG,
 - SONOCLOT,
 - ROTEM
- Respiratory Failure:
 - Bronchoscopy,
 - PFT and
 - ABG interpretation
- Shock:-
 - Pacemakers,
 - AED,
 - Defibrillation therapy
- Difficult Airway:
 - Percutaneous Tracheostomy,
 - Cricothyrotomy
- Difficulties in the operating room on Simulation
- Neurological Derangement:-
 - NIRS,
 - BIS,
 - Hypertension & Hypervolemia
- Non invasive ventilation and PHT in Cardiac ICU
- Trauma & Intensive care
- Miscellaneous topics in the ICU



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TOPICS COVERED

- Acute Mitral Prosthetic Dysfunction & Secundum ASD
- Aortic Stenosis vs. Mitral Regurgitation
- D Artifacts: Shadowing from prosthetic Valve
- Aortic Insufficiency, Aorta Mirror Image Artifact vs. Dissection
- Assessing LV Contraction
- Aortic Valve Pathology
- Catheter Thrombus, Central Line Insertion
- Aortic Valve Disease, Complex Aortic Valve endocarditis
- Desiring, Doppler Artifact, Mitral Valve Prolapse
- Image processing for ECHO: Two dimensional Echocardiography
- Gain Settings Color Doppler: Mitral Regurgitation
- Intra-aortic Balloon Pump Insertion
- LA Myxoma Normal Mechanical Mitral Valve Doppler: Poar processing controls
- Pulsed Wave Doppler Aliasing, Range Ambiguity with CW Doppler
- Mitral Stenosis - Rheumatic





ONLINE FELLOWSHIP IN CARDIO DIABETES

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TOPICS COVERED

- Mechanisms of Diabetic Atherosclerosis
- The changing face of clinical trials :
Academic foundation and industry collaboration
in finding new therapies
- ACE inhibitors and statins in Adolescents with Type 1
Diabetes
- Hyperglycemia oxidative stress and endothelial
dysfunction and Acute Coronary Syndrome
- Epidemiology and Pathophysiology of Diabetes
- Classification and types of Diabetes
- Non Pharmacological Management
- Diabetes Management in Elderly
- Diabetes Management in ICU, CCU and Surgeries
- Complications of Diabetes
- Diabetes in the Young Age Group
- Medical Therapy vs Myocardial Revascularization
- Glycemic Control and Microvascular Complications
- Diabetic Cardiomyopathy and Ischemic Heart Disease
- Future Direction, Gene Therapy,
Islet Transplantation etc.

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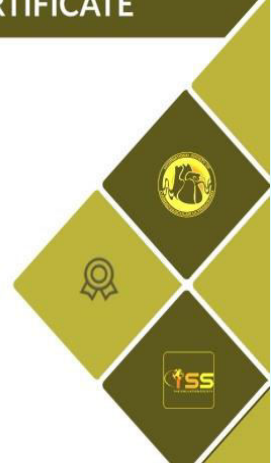
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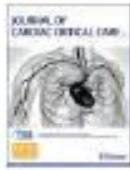
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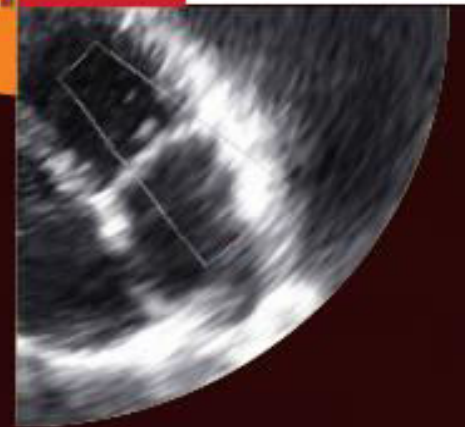
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Dr. Yatin Mehta
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By: | TSS Education



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TIVA in COVID-19 Pandemic

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 Heart Institute &
 Research Centre, New
 Delhi

Speaker



Dr. Poonam Malhotra Kapoor
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 Professor, Dept. of Cardiac
 Anaesthesiology, CRI Centre,
 AIIMS, New Delhi;
 Adjunct Visiting Professor, Dept. of
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 Hospital Orlando, University of
 Central Florida College of Medicine

Utility of TIVA in COVID – 19 Pandemic
4:05PM - 4:30 PM

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Dr. Rajiv Juneja
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 Care, Medanta Medicity

Speaker



Dr. Tushar Chokshi
 Private Practice,
 Founder of TIVA & OFA society
 Facebook groups

Infographics in TIVA
Expert TIVA use in Covid-19
4:30 PM - 5:00 PM

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 Superspeciality Hospital,
 Delhi

Speaker



**Dr. Karunakaran
 Ramaswamy**
 Attending Physician,
 Sidra Medicine Assistant Professor
 Weill Cornell Medical College, Qatar

Opioid free anaesthesia in cardiac practice
5:00 PM - 5:30 PM

Zoom Joining Details

Webinar ID: 920 2958 4896 | Passcode: 12345

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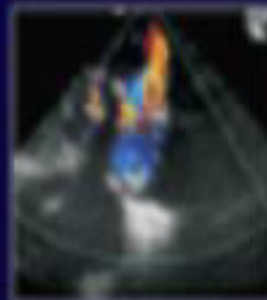
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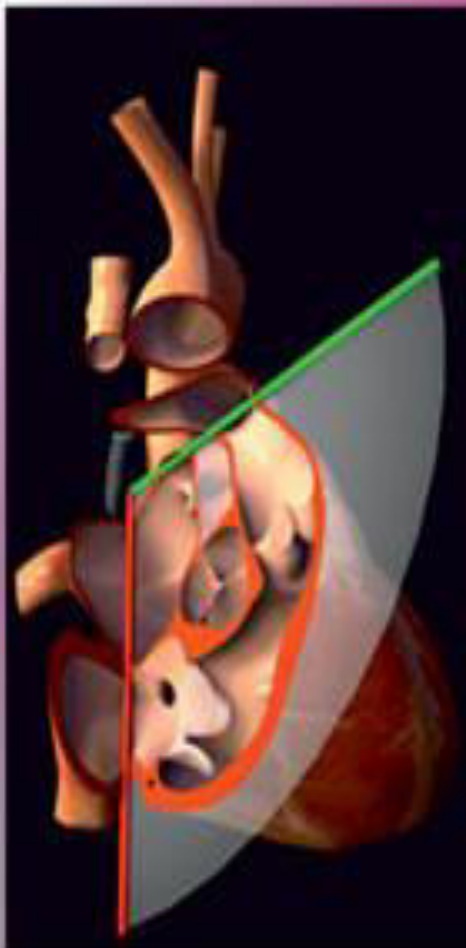


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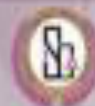


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Manual of

Extracorporeal Membrane Oxygenation (ECMO) in the ICU



Forewords

Navin C Nanda, Naresh Trehan, Balram Airan, Steven A Conrad, Yatin Mehta



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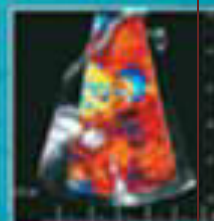
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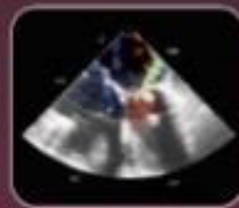
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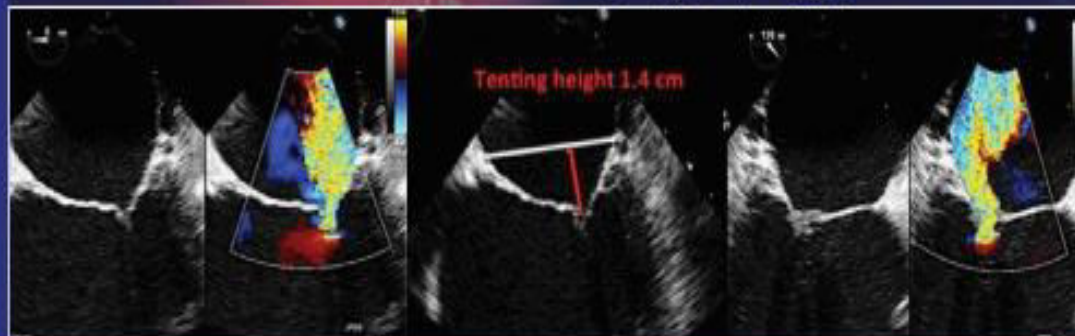
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**Journal of Cardiac Critical
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and
International Society of
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Journal of Critical Cardiac Care



An Official Journal of the International Society of Critical Care Medicine (ISCCM)
International Society of Critical Care Medicine (ISCCM) 2014



DOAJ



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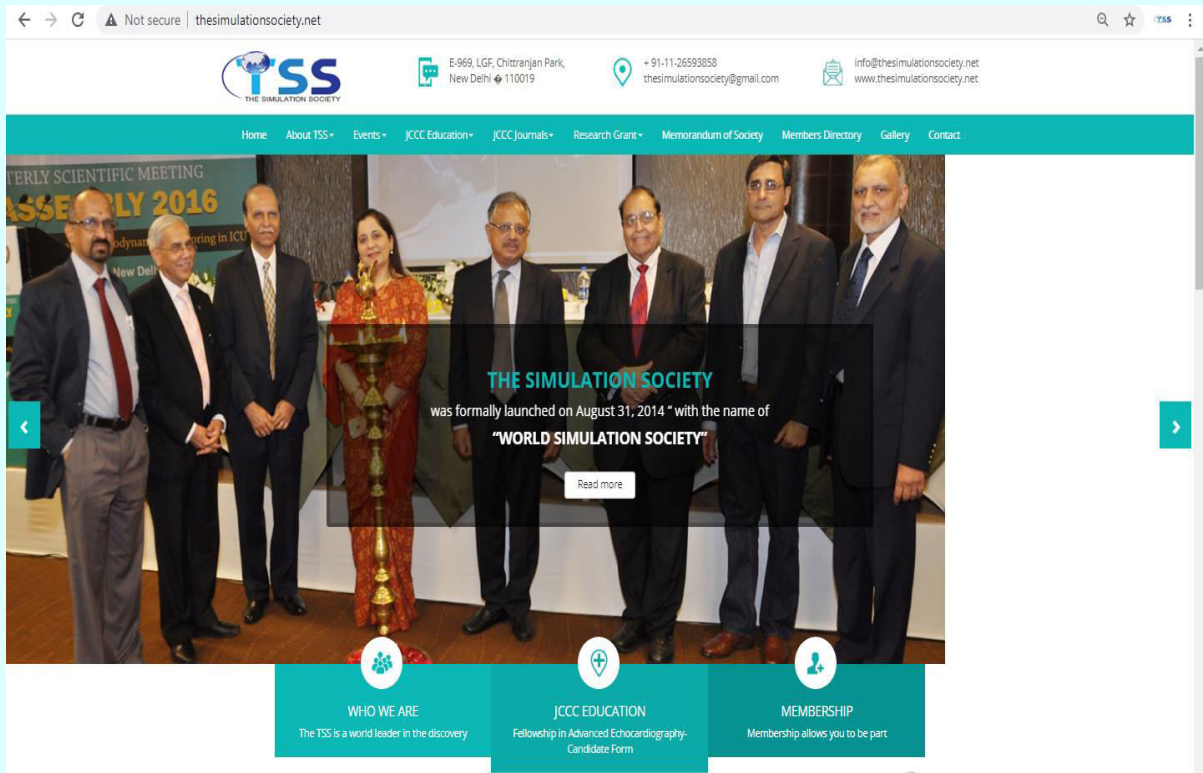
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TSS – ISCU Online Fellowships 1st Batch Exit Examination



1st Batch Photo



IACTA and TSS

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Dr. Navin C Nanda bestowed with Father of Echocardiography by the Chief Guest Prof. M. K. Bhan at IACTA 2012, New Delhi

