



14th National Conference of The Indian Association of Respiratory Care

A VIRTUAL
CONFERENCE

**Respiratory Therapists -
Advocates of Patient Safety
and Quality Care**

RESCARE'21

12-14 November 2021



www.iarc.in/rescare

Email: rescare@iarc.in, info@iarc.in

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About RESCARE 2021

RESCARE'21 conference will serve as a forum where researchers, scholars, policy makers and practitioners in respiratory therapy will have an opportunity to exchange ideas and learn from the traditional practitioners from various states in the country and around the world. In turn, the traditional practitioners will discover emerging research and best practices presented by scholars and practitioners at the conference. The outcome of the exchange, inquiry and discussion will inform the national and international community on the roles and importance of the respiratory care profession as a whole. Discuss, learn and understand the challenges and prospects of respiratory therapy as a profession. It is our intention to offer a platform for innovative and critical thinking skills to aid and advance a Respiratory Therapist in his or her professional career. Development of a comprehensive model of respiratory care practices. The international and national medical community's recognition and acknowledgement of the respiratory therapy profession and practices in India. Publication of the conference proceedings in the Indian Journal of Respiratory Care (IJRC) to provide resources and support to the work of researchers, policymakers and supreme authorities. Finally, it is our desire for this conference to have each attendee leave with a sense of reassurance and an increase appreciation of the Respiratory Therapy Profession.



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Pre-Conference Workshop

12.11.2021 (Friday)

Duration: 2:30 - 7 PM

Respiratory Therapists- Advocates of Patient Safety and Quality Care

WELCOME NOTE & OVERVIEW OF CONFERENCE (2:30 PM)

STATION-1

PULMONARY REHABILITATION

Devices
How do I do it?

3:00- 3:25 PM

Mr. Kishore Kumar

Mr. Prathmesh Desai

Question & Answer (5 mins)

STATION-2

SPIROMETRY

About Spirometers
Conducting spirometry
Interpreting Spirometry

3:30 – 3:55 PM

Dr. Lokesh K. S.

Mr Shivamoorthy C

Question & Answer (5 mins)

STATION-3

ARTERIAL BLOOD GAS

Sampling
Pre-Analytical Issues
Interpretation

4:00 – 4:25 PM

Ms. Carol Elizabeth

Ms. Anusha Kunder

Ms. Ranjitha Sherigar

Question & Answer (5 mins)

STATION-4

AEROSOL THERAPY

Different Devices
Aerosol therapy in ventilated & non-ventilated patients

4:30-4:55 PM

Ms. Sneha Shinde

Question & Answer (5 mins)

STATION-5

BASICS OF POLYSOMNOGRAPHY

Sleep Lab Overview
PSG Hook ups
Diagnosis & Titration

5:00-5:25 PM

Mr. Rafeek MK

Question & Answer (5 mins)

E- POSTER AND CASE PRESENTATION BY STUDENTS

5:30-6:30 PM

RESULT DECLARATION

7:00 PM

RESCARE'21

THE INDIAN ASSOCIATION OF
RESPIRATORY CARE





e-Conference

Scientific Programme

13.11.2021 (Saturday)

VENTILATION DAY

Duration: 1.30 pm - 7 pm

INAUGURATION CEREMONY (1:30-2:15 PM)

- Topic-1** **Dr. Ramkumar Venkateswaran** 2:20-2:40 PM
Pulmonary Mechanics during Mechanical Ventilation
- Topic-2** **Ms. Ramitha Ramachandran** 2:40-3:00 PM
Clinical Utility of Ventilator Graphics
- Topic-3** **Dr. Badri Narayanan** 3:00-3:20 PM
Sedation & Muscle Relaxants during Mechanical Ventilation
- Topic-4** **Dr. Dharanindra Moturu** 3:20-3:40 PM
Ventilator Induced Lung Injury & Lung protective Strategies
- Topic-5** **Dr. Harish Mallapura Maheshwarappa** 3:40 – 4:00 PM
Artificial Intelligence in Weaning

Question & Answer (20 mins)

- Topic-6** **Dr. Anoop Kumar** 4:00-4:20 PM
ARDS ventilation- Does the mode matters?
- Topic-7** **Mr. Sriharsha Tatinei** 4:20-4:40 PM
Driving pressure in ARDS- How and When to use it?
- Topic-8** **Dr. Arjun Alva** 4:40-5:00 PM
Postoperative Management of Hypoxemia: NIV, HFNC or Standard O2 Therapy
- Topic-9** **Mr. Nithin George** 5:00-5:20 PM
Ventilatory Strategies in Neonatal Lung Injury
- Topic-10** **Dr. Habib MD Reazaul Karim** 5:20-5:40 PM
Non-invasive Respiratory Support in COVID-19 Pandemic

Question & Answer (20 mins)

Panel Discussion
(6:00– 7:00 PM)

Lessons Learnt from the Pandemic:
Respiratory Therapists are not optional,
but a real necessity!

Speakers: Mr. Narasimha Murthy, Mr. Premanand Johnson,
Mr. Radhakrishnan Manoharan
Moderator: Mr. Thiruppathi Chockalingam



e-Conference

Scientific Programme

14.11.2021 (Sunday)

Beyond the Conventional Respiratory Care

Duration: 1.30 pm - 7 pm

Topic 1

Dr Vivek Kumar

2:00-2:20 PM

Point of Care Lung Ultrasound

- ◆ Technical aspects of LUS
- ◆ Role of RTs in managing Cardiopulmonary emergencies using LUS

Topic 2

Mr. Aakash Soni

2:20-2:40 PM

Monitoring Recruitability-EIT

- ◆ Technical consideration
- ◆ Clinical Application

Topic 3

Ms. Eribaweimon Shilla

2:40-3:00 PM

Apnoea of Prematurity

- ◆ Pathogenesis
- ◆ Management Strategies

Topic 4

Ms. Sumi Varghese

3:00-3:20 PM

Diffusion Capacity of Lungs for Carbon Monoxide

Topic 5

Ms. Charu Singh

3:20-3:40 PM

Impulse Oscillometry (IOS)

Question & Answer (20 mins)

Topic 6

Ms. Anmol Thorbole

4:00-4:20 PM

EBUS

- ◆ About the equipment
- ◆ What should I get ready?
- ◆ Clinical problems

Topic 7

Mr. Vaibhav Bohra

4:20-4:40 PM

Transportation of Critically Ill

- ◆ Tips & Tricks

Topic 8

Ms. Renugadevi

4:40-5:00 PM

Tele Pulmonary Rehabilitation

- ◆ E-rehabilitation how do I do it?
- ◆ Challenges and Opportunities

Topic 9

Dr. Pranay Oza

5:00-5:20 PM

Extra Corporeal Life support

- ◆ Role of RTs

Topic 10

Ms. Madhuragauri Shevade

5:20-5:40 PM

Research in Respiratory Care

- ◆ Attitude towards Research
- ◆ Balancing the practice

Question & Answer (20 mins)

EC meeting & General Body Meeting

6:00-7:00 PM



Register Online now!

STUDENTS

Category	Fee
● IARC Student Members	500 ₹ + Taxes
● Non-IARC Student Members	700 ₹ + Taxes

DELEGATES

Category	Fee
● IARC Members	1000 ₹ + Taxes
● Non-IARC Members	1500 ₹ + Taxes

CONTACT FOR ANY ASSISTANCE

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ORGANIZING CHAIRMAN

Head, Department of Respiratory Therapy, Professor, Dept. Anesthesiology, Amrita Institute of Medical Sciences, Kochi.



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