15ᵗʰ SCIENTIFICA

NATIONAL PHYSIOTHERAPY CONFERENCE

THEME

EMBRACING AI TECHNOLOGY: TRANSFORMING THE FUTURE OF PHYSIOTHERAPY AND REHABILITATION

16ᵗʰ & 17ᵗʰ NOVEMBER 2024

SCIENTIFIC PROGRAM

VENUE: GOA MEDICAL COLLEGE

Oration Talk

AI transforming the future of Physiotherapy and Rehabilitation	**Michael Rowe** (UK)

Key Note

AIDemics - Adapt or Adept?	**Waqar Naqvi** (Doha, Qatar)
Tech-Driven Rehab: Unleashing the Power of Digital Technology and Robotics	**Vijay Bathina** (Hyderabad, India)
AI-Powered Wearables: A new Frontier in Physiotherapy & Rehabilitation	**Polat Goktas** (Dublin, Ireland)
AI Ethics in Health Profession: Navigating the Grey Areas	**Rohini Ganjoo** (USA)
Blood Flow Restriction Therapy (BFRT): Lessons Learned	**Anil Bhave** (USA)

Talks

Overview on Embracing AI & Technology in Physiotherapy	**Apurv Shimpi** (Pune, India)
From Bench to Field: Return to Sport Assessment in the Digital Age	**Sai Kishore** (Chennai, India)
AI meets Health Science Research: A New Era for Health Literacy	**Prashant M** (Hubli, India)
Redefining Assessment with Digital Tools	**Gaurang Baxi** (Pune, India)
From Cables to Clouds: Transforming Physiotherapy with IoT Magic	**Shaswat Verma** (Bangalore, India)
Augmenting Artistry: How AI Shapes Innovation	**Arun Maiyya** (Udupi, India)
Physical Activity Assessment using wearable devices	
Future of Pediatric Rehab with AI	**Asha Chitnis** (Mumbai, India)
Rehab AI	**Ashok Shyam** (Pune, India)

Talks

Using AI Tools to Create Posture Assessment Model	**Shruti Thakur** (Pune, India)
Deep Learning Tools & AI in Physiotherapy	**Yashwant Ingle** (Pune, India)
Tech-based assessment in Musculoskeletal Physiotherapy: In Tune with Tomorrow	**Twinkle Dabholkar** (Mumbai, India)
Current Trends in Physiotherapy	**Ketan Bhatikar** (Goa, India)
Technological breakthroughs in managing musculoskeletal pain	**Shobhlaxmi** (Bangalore, India)
Veterinary Physiotherapy: Bridging the Gap Between Human & Animal Healthcare	**Unnati Pandit** (Mumbai, India)
Matrix Rhythm Therapy: technological Pioneering of Cellular-Level Rehabilitation	**Varun Naik** (Belgavi, india)
Mobile-based Apps in Assessment & Rehab	**Venu Mohan** (Pune, India)
Virtual Reality: A New Frontier in Pediatric Physiotherapy	**Chanan Goyal** (Raipur, India)

Talks

Talk	Speaker
From Isolation to Independence: Transforming Care with Tele-Pulmonary Rehab	**Mrinmayee Koltharkar** (Mumbai, India)
Patient-Centred Care with AI	**Ajeet Saharan** (Jaipur, India)
2D gait analysis introduction and Case studies	**Deepali Kant** (Mumbai, India)
VR in Upper Limb Rehabilitation After Stroke	**John Solomon** (Udupi, India)
Navigating your Career Path in Physiotherapy	**Sayeeda Uneza Fatima** (Delhi, India)
Tech in Sports: The Game-Changers	**Shwetha Rao Warke** (Mumbai, India)
Role of Government in Disability Rehab: UDID for people with Disabilities	**Guruprasad Pawaskar** (Goa, India)
Generative AI Tools in Physiotherapy training Program	**Sajeevan Tharayil** (Kerala, India)
Robotics Rehabilitation Post Stroke	**Radha Bhattad** (Pune, India)
Introduction to Blood Flow Restriction Therapy	**Sona Kolke** (Pune, India)

Master Class

Step by Step: Navigating Podiatric Assessment in Rehab	**Pallavi Singh** (Mumbai, India) **Deepali Kant** (Mumbai, India)
Mastering Remote Pulmonary Rehab: Effective Tele-Assessment for Lung Patients	**Mrinmayee Koltharkar** (Mumbai, India)
Creating a path to independence: Maximizing function in pediatric Rehab	**Asha Chitnis** (Mumbai, India)
IOT based sensors in patient monitoring	**Shaswat Verma** (Bangalore, India)
Virtual Reality and Robotics in Stroke Rehab	**John Solomon** (Udupi, India)
Return to Sports Criteria & Testing for Injured Athletes	**Sai Kishore** (Chennai, India)
Running Analysis Simplified	**Shwetha Rao Warke** (Mumbai, India)

Panel Discussion

Neuro-Tech-Nexus: Shaping the Future of Neuro Physiotherapy	**Vijay Bathina** (Hyderabad, India) **Sajeevan Tharayil** (Kerala, India) **John Solomon** (Udupi, India) **Chanan Goyal** (Raipur, India)
Leveraging Technology for Better Learning Outcomes	**Arun Maiyya** (Udupi, India) **Shaswat Verma** (Bangalore, India) **Gaurang Baxi** (Pune, India)
Athlete 2.0: Elevating Performance Through Rehab Tech	**Shwetha Rao Warke** (Mumbai, India) **Pallavi Singh** (Mumbai, India) **Sai Kishore** (Chennai, India)

AI

Panel Discussion

From Bytes to Better Mobility: Integrating Technology into Clinical MSK Practice	**Prashant Mukunnavar** (Hubli, India)
	Twinkle Dabholkar (Mumbai, India)
	Shobhalaxmi (Bangalore, India)
	Venu Mohan (Pune, India)
Navigating the AI Frontier in Clinical Research: Pros, Cons, and Ethical Dilemmas	**Neeraj Bijlani** (Mumbai, India)
	Prashant Mukunnavar (Hubli, India)
	Michael Rowe (UK)

Scientific Debate

Technology in Sports Rehab: Need of the hour or Passing Trend	**Anand Gangwal** (Pune, India)
	Pallavi Singh (Mumbai, India)
	Sai Kishore (Chennai, India)

Beginners Class

Developmental Supportive Care of Neonates in NICU	**Rujuta Garge** (Goa, India)
Overview of Physiotherapy in Plastic Surgery	**Reena Fernandes** (Goa, India)
Geriatric Functional Testing	**Anu Arora** (Mumbai, India)
Exercise Prescription for Diabetes & Hypertension	**Sweta Raut Mulgaonkar** (Goa, India)
Basic Post-ACLR Rehab	**Shannon Fernandes** (Goa, India)
Outcome assessment options for pulmonary function	**Prajakta Sahasrabudhe** (Pune, India)
Basics of Pelvic Floor Assessment	**Suroshree Mitra** (Pune, India) **Farheen Patel** (Pune, India)
The Future of Physiotherapy - Emerging Trends & Expectations	**N. Gunasekharan** (Pune, India)

Beginners Class

Goal-setting using ICF in Neuro Rehab	**Radha Bhattad** (Pune, India) **Twinkle Kundnani** (Pune, India)
Pelvic Physiotherapy - To Kegel or Not?	**Amit Patel** (Ahmedabad, India)
National Programs for Healthcare in Elderly	**Milind Kahile** (Nagpur, India)
Clinical Palpation: A Key to Effective Patient Evaluation	**Surendra Wani** (Sambhaji Nagar, India)
Adaptive Technology in Paralympics	**Pradeep Borkar** (Loni, India)
Critical Care Rehabilitation & Post- Intensive Care Syndrome	**Prem Kumar** (Kerala, India)
Role of Physiotherapist in Vestibular Rehabilitation	**Laxmi Kamat** (Goa, India)

PEP Talks

Grateful Leadership	**Manisha Sanghavi** (Pune, India)
Confidence is a Muscle: How to build it everyday?	**Sunita Chugh** (Pune, India)
Image Generation Using AI	**Ashok Shyam** (Pune, India)
Social Media & Doctors	**Neeraj Bijlani** (Mumbai, India)
Turning Challenges into Opportunities	**Apurv Shimpi** (Pune, India)
Adaptability: Thriving in Uncertainty	**Radha Bhattad** (Pune, India)

PEP Talks

Small Steps, Big Impact	**Nishand P. D** (Kozhikode, India)
Being Creative in Healing	**Tejas Borkar** (Loni, India)
Campus to Community	**Pooja Akhtar** (Nagpur, India)
Gratitude amplifies Opportunity	**Jorida Fernandes** (Goa, India)
Turning Passion into Profit	**Dinesh Chavhan** (Pune, India)
Failure is Feedback	**Nidhi Joshi** (Pune, India)
Learning to Learn	**Riya Surti** (Pune, India)

Post Conference Workshops

Tips & Tricks : Technology & AI for Day-today use	**Ashok Shyam** (Pune, India) **Neeraj Bijlani** (Mumbai, India)
Generative AI in Academics, Research & Practice of Physiotherapy	**Michael Rowe** (UK)
Enhancing Research With Artificial Intelligence	**Waqar Naqvi** (Doha, Qatar)
Making AI Models for Rehabilitation: Coding & Deep Learning Tools	**Yashwant Ingle** (Pune, India)
How to Practice AI-based Physiotherapy in your clinical setup	**Vijay Bathina** (Hyderabad, India)
Taping in Sports	**Anand Gangwal** (Pune, India)