



17th International Conference of Telemedicine Society of India

12th – 14th November 2021

Day One: CME & Workshop: Version 2.0
12th November 2021, Friday

The Ultimate Guide To Telemedicine

one of the greatest health innovations of the 21st Century

12TH NOVEMBER 2021 : DAY 1

9.00 - 10.30 am Session I

Basic Concepts on Telemedicine & Digital Health

Moderators: **Mr. B S Bedi**, New Delhi / **Maj Gen (Retd.) Dr. A K Singh**, Jaipur

- Terminologies & Definitions: **Dr. B N Mohanty**, Cuttack
- Technology, Network and System: **Dr. Murthy Remilla**, Bangalore
- Regulatory issues & Practice guidelines: **Dr. Gurikbal Singh Jaiya**, New Delhi
- Social, legal and ethical aspects: **Ms. Bagmiksha Puhan**, New Delhi
- Current Telemedicine Practice Models: **Wing Commander (Retd.) Dr. Lavanian Dorairaj**, Pune

Discussion: 15

10.30 - 12.00 pm Session II

Advance Concepts on Emerging Tele- health Technology

Moderators: **Dr. Praveen Kumar Khosla**, Mohali / **Dr. S B Bhattacharya**, Faridabad

- Cloud Technologies for Tele-Health: **Prof. Jayant Mukhopadhyay**, Khargapur
- Internet of Medical Things (IOMT): **Er. Vimal Wakhlu**, New Delhi
- Redefining Global Healthcare with Blockchain Solutions : **Mr Mahesh Srivastava**, Vice President (Technology) **Solve Care**, Bangalore
- Big Data, Machine Learning & Artificial Intelligence in Digital Health Practice: **Prof. Srikantha Pattanaik**, Bhubaneswar
- Virtual Learning Environment for health professional Education & Skill development: **Prof. Meenu Singh**, Chandigarh

Discussion: 15

12.00 - 12.30 pm

Invited Special Lecture(20'+10')

Moderators: **Dr. Praveen Kumar Khosla**, Mohali / **Dr. S B Bhattacharya**, Faridabad

ITU-WHO Focus Group: Benchmarking AI and Health Solutions - **Speaker: Mr. Bastiaan Quast**, ITU, Geneva

Discussion: 10

12.30 - 1.30 pm Session III

Selected Case Studies of Telemedicine Practice in India

Moderators: **Mr. L S Satyamurthy**, Bengaluru / **Dr. Dhananjay K Mangal**, Jaipur

- National Tele-health System: **Dr. Sanjay Sood**, Mohali
- Digital and Tele Health : An Investors Perspective: **Mr. Kapil Khandelwal**, Mumbai
- Startup Tele-health Deployments, Findings of a Nationwide Survey: **Ms. Mukti Prasad**, New Delhi

Discussion: 15

1.30- 2.00 pm Lunch

2.00 - 4.00 pm Special Session: Start up Stations

Telemedicine & Digital Health: Products & Solutions

Group Co-ordinator: **Dr. Murthy Remilla**, Bengaluru

Supported by: **Mr. Srujan Mohanty**, AIIMS, Bhubaneswar / **Mr. VijayPal Singh**, SGPGI, Lucknow / **Mr. Shiv Misra**, Lucknow

Start up Station Presenters: **Mr. Pankaj Kapoor**, mHealth4u, CSPL, Lucknow
Mr. Ashwin R Desai, A&T Video Networks, Madurai
Mr. Bipin Chopra, Cloudatomy, Gurugram
Mr. Sidharth Angrish, JIYYO Innovation Pvt. Ltd., Chandigarh

4.00 - 5.30 pm Panel Discussion I

Telemedicine Practice Guidelines in Management of Diabetes, Cancer, Stroke and Cardiovascular Disease

Conveners: **Dr. Ashok Das**, Puducherry **Dr. Prashant Mathur**, Bengaluru

Speakers:

- Welcome Note: **Dr. Sukanya R**, NCDIR, Bengaluru
- Need for Telemedicine in the management of Noncommunicable Disease **Dr. A K Das**, PIMS, City Center, Pudducherry
- Scope for development of Telemedicine Guidelines: **Dr. Prashant Mathur**, NCDIR, Bengaluru
- Telemedicine guidelines for Diabetes Care: **Dr. Anoop Misra**, Fortis Hospital, New Delhi
- Tele-oncology guidelines for management of Cancer: **Dr. S V S Deo**, AIIMS, New Delhi
- Telestroke guidelines for management of Stroke: **Dr. M V Padma Srivastava**, AIIMS, New Delhi
- Telemedicine in the management of CVD: **Dr. Prakash C Negi**, IGMC, Shimla

Discussion: 15

5.30 - 6.00 pm Tea Break & Networking

6.00 - 8.00 pm Workshop I - IV

Workshop I : Telemedicine & Digital Health Policy & Strategy (6.00-7.00 p.m.)

Workshop II : Legal & Regulatory Issues, & Telemedicine Practice Guidelines (7.00 - 8.00 p.m.)

Moderators : Sunil Shroff, Chennai / Bagmiksha Puhan, New Delhi

- How to protect RMPs in Teleconsultations and Acceptable Standard of Care in Telemedicine
- Medication for telehealth practice – Enlarging the list and how to prescribe if safely
- Advertisement, Data Privacy and confidentiality - is this the biggest challenge

Introduction - **Dr.Sunil Shroff - 10 mins**

Brief Overview of Telemedicine Practice Guidelines – **Bagmiksha Puhan**, 15 mins

Enlarging the list of Drugs in TPG – **Dr. Balaji Ramachandran - 20 mins**

Panel Discussion –

Prof. Dr. J.A. Jaylal, MS, FICS, FIAGES, FIOPM, FRCS (Glasgow), DLS(Germany), MBA, Ph.D., Professor of Surgery., National President, Indian Medical Association

Dr. Achal Gulati,MS, Director Principal & Director Professor of ENT in Dr Baba Saheb Ambedkar Medical College & Hospital, New Delhi

Dr.Balaji Ramachandran, MBBS, DNB (Family Medicine), Digital Health Transformation Expert, Bangalore

Mr. Anay Shukla, Founder Editor, Arogyalegal, Mumbai

13TH NOVEMBER 2021 : DAY 2

8.00 - 9.00 a.m. Free Paper Session Free Paper Session I

(COVID-19 Special Award Session)

Chair: Dr. Biju Soman, Waynad

Dr. Pawan Gupta, Faridabad

Covid Special Award Session: Telecare during COVID-19

Six Platform Presentations 8' + 2' Q/A

8:00	The advent of telerichology in identifying COVID-19 related hair loss Swetha Shri, Chettinad hospital and research institute, Chennai
8:10	Development & evaluation of asthma monitoring android app in clinical setting during COVID-19 pandemic Anil Chauhan, Department of Telemedicine, Postgraduate Institute of Medical Education & Research, Chandigarh
8:20	The Landscape, Advocacy and concerns of Telemedicine on Clinical Practice in LMICs during COVID-19: Sanjay K Yadav, NSCB Medical College, Jabalpur
8:30	Tele-Nuclear Medicine during COVID-19 Kanishk Markam, Department of Nuclear Medicine, SGPGIMS, Lucknow, UP
8:40	Has Telemedicine reduced the burden on strained healthcare system of India during Covid-19 pandemic? Apollo "Doc on Call" service-a short review Mubasher Ali, Apollo Tele Health Services
8:50	Homeopathy treatment for COVID 19 patients consulting via Telemedicine Abdequaeem Chimthanawala, GraceHealing Homeopathy, Nagpur, Maharashtra

9.00 – 9.30 am Key Note Lecture I

Chair: Prof. Prem Nair, AIMS, Kochi / Prof. Radha K Dhiman, Lucknow

Title: Wireless Health: Promising trends for equitable access to healthcare

Speaker

Prof. Abhay Karandikar,

Director, Indian Institute of Technology, Kanpur

9.30 - 11.00 am

Theme Symposium: Telehealth Trends in 21st Century

Moderators: **Col. A K Nath (Retd.)**, C-DAC, Pune **B N Mohanty**, Cuttack

- Re-positioning Telemedicine in Post Covid HealthCare: **Dr. Pramod Gaur**, USA
- Technologies empowering tele-health of the future: **Mr. Gaur Sunder**, Pune
- Next Generation Connectivity: **Dr. Rishi Bhatnagar**, New Delhi
- Tele-health Market Trends: **Mr Vikram Thaploo**, Hyderabad
- Socio-Technological Dilemma of future Tele-health: **Prof D R Sahu**, Lucknow

Discussion: 15

11.00 - 11.15 am Tea Break

11.15 - 12.00 noon Presidential Oration

12.00 – 1.30 pm Invited Guest Lectures I

Chair: Mr. B S Bhatia, Ahmedabad / **Mr. A Bhaskaranarayana**, Bengaluru

International Agency Initiatives

- Be Healthy Be Mobile initiative
Ms. Surabhi Joshi
Digital Health and Innovations Department
World Health Organization, Geneva
- Digital Approach to SDG 3 & UHC
Dr. Vivekananda Jha
George Institute for Global Health, New Delhi
- Digital Technologies in Infectious Disease Management: Case Study with Avian Influenza
Prof. Isao Nakajima
Nakajima Lab, Yokohama, Japan

1.30 - 2.00 pm Lunch & Poster Presentation

1.30 – 2.00 pm Poster Presentation I

Chair: Dr Vidya Ramkumar, Chennai Ms Nishu Tyagi, New Delhi
(Poster No. 01 – 06: Each Presentation: 04' followed 01', Q/A. Max 05 ppt. slides)

01	Diagnostic profile of patients presenting with Ophthalmological problems through Teleconsultation Alisha Kishore, Aruna Singh, Meenu Singh, Amit Aggarwal, Sonu Goyal S, Manvi Singh, Department of Telemedicine, PGIMER, Chandigarh
02	To Study Diagnostic Profile Of Patients Presenting For Teleconsultation To Internal Medicine Depart Sonu Goyal, Dr Sonu Goyal, Dr Alisha Kishore, Dr Meenu Singh, Dr Amit Aggarwal, Dr Aruna Singh, Dr Manvi Singh, Department of Telemedicine, PGIMER, Chandigarh
03	Telemedicine Experience of AFMS Enabled Pan Indian E-Sanjeevani OPD A Retrospective Analysis A Brigadier K Shanmuganandan, AFMS
04	Descriptive study of the beneficiaries in Telemedicine practice during Covid19 Pandemic -A Private C Linga devi Thanasekaran, Dr.Vijayalakshmi Thanasekaraan, Chennai
05	Pediatric Telemedicine delivery in Haryana State: Challenges and Successes Deina George George, College of Nursing, National Institute of Mental Health And Neurosciences,Bangalore-29
06	Development of a mHealth app for patients with Alcohol Use Disorder (AUD) to prevent relapses: an MD Abhishek Kumar Sharma MBBS, Darshan S MD, SriLakshmi N, B Tech, Prabhat Kumar Chand MD, Pratima Murthy MD, Department of Psychiatry, National Institute of Mental Health And Neurosciences (NIMHANS), Bengaluru

2.00 - 4.00 pm Trade Exhibition

Telemedicine & Digital Health: Products & Solutions, Case Studies etc.

Moderators: Dr. Pawan Gupta, Faridabad/ Prof. Surya Bali, AIIMS Bhopal

Time	Industry	Title	Presentation By
2.00 - 2.20PM	Poly	Connect. Dialogue. Heal With Telehealth solutions from Poly	Mr. Arpit Arora
2.20 -2.40PM	Poly	Case Study by System Integrator	Mr. Garvit Kapoor
2.40 - 3.00PM	Poly	SGPGI Case Study	Prof. S.K. Mishra
3.00 - 3.15PM	Poly	Q&A	Arpit Arora, Abhishek Pandey, Biswatosh Mridha/ Pradipta Das
3.15 - 3.30PM	Yolo Health ATM Pvt. Ltd	YoloHealth Solution for Healthcare	Dr Ishani Saxena
3.30 - 3.45PM	Yolo Health ATM Pvt. Ltd	YoloHealth for Smart Cities- A case study under Lucknow Smart City	Mr. Premjeet Kumar
3.45 - 3.55PM	Health Cube	Lab in the bag HealthCube XL device	Mr Hardeep Singh Kohli/ Astha Singh

4.00 – 5.00 pm General Body Meeting

6.00 – 7.00 pm Inauguration Ceremony

7.00 – 7.15 pm Tea Break & Poster Presentation II

7.15 - 8.15 pm Cultural Programme

8.30 pm Onwards Banquet

14TH NOVEMBER 2021 : DAY 3

8.00 - 9.00 am Free Paper Session IV

Chair: Dr. P S Ramkumar, Bengaluru, **Dr. Farooq Ahmad Wani**, Srinagar

8:00	Telemedicine@ Amrita during Covid Pandemic Dr.M.Gopalan, Amrita Institute of Medical Sciences& Research center, Kochi-41, Kerala
8:10	A ROLE OF TELEMEDICINE IN THE COVID PANDEMIC - A BOON OR BANE? Dr M F Aleemullah, Star Health and Allied Insurance Co Ltd, India
8:20	Telemonitoring of COVID-19 trials in India Sumaiya Arfin, Abhinav Bassi, Oommen John, Research Fellow, The George Institute for Global health, India
8:30	Continuum of care for dialysis and Non-Communicable Diseases during COVID-19 pandemic in Rural India Balaji Gummidi, George Institute for Global Health
8:40	Antenatal care through telemedicine during COVID19 pandemic in a tertiary care centre of North India Malathy Sedu Chidambaram, Sanjay Gandhi Post Graduate Institute of Medical Sciences
8:50	The outcome of Mild Category Of SARS-Cov-2 Infected Renal Transplant Recipients managed by Supervise Vamsidhar V, Dharmendra S Bhadania, Narayan Prasad, Jayakumar Meyyappan, Sanjay Gandhi Post Graduate Institute of Medical Sciences

9.00 - 9.30 am Key Note Lecture II

Chair : Er. Vimal Wakhlu, New Delhi / **Dr. Saroj Misra**, Lucknow

Title: Need of Cyber Security in Health Sector

Speaker: Dr. Gulshan Rai, New Delhi, Former National Cyber Security Co-ordinator, Govt. of India

9.30 - 11.00 am Symposium I

Special BRICS Telemedicine SIG Session on "Health 4.0, A vision for Smart Futuristic healthcare"

- Opening Statement: **Mikhail Natenzon**: Russia
- Impact of Fourth Industrial Revolution on Health System of theFuture: **S K Mishra**, India
- Russian National Project "Healthcare" and Digitalization of Healthcare: **M. Natenzon**, V. Tarnopolskiy, V. Tsygankov Russia
- Digital Transformation in Diagnostics: teleradiology reference-center, artificial intelligence: **S. Morozov** Russia
- Health 4.0 Preparedness of Brazil; Strategy & Policy: **Luiz Messina** Brazil
- FtiziBioMed medical service for automated analysis of fluorograms and chest radiographs (artificial medical intelligence) **V. Klassen, M. Natenzon, I. Prosvirkin** Russia

Discussion: 15

11.00 - 11.30 am Tea Break & Poster Presentation II

Chair: S Raghvan- Tiruchirappalli, Prof Shanta Singh- Manipur

(Poster No. 07 – 12: Each Presentation: 04' followed 01' Q/A. Max 05 ppt. slides)

07	A Narrative Review of App and Bot based interventions for Tobacco Cessation Yedavally Achyuta Naveen, Darshan S, Prabhat Chand, NIMHANS Bangalore
08	Telesurgery in India: The Current Scenario Kamakshi Baxi, Fortis Hospital, Noida
09	Chatbot augmented e-learning on Alcohol Use disorders for Nurses and ANM for the state of Chattisgarh Tejdeepika, Virtual Knowledge Networking, 3rd floor, Center for Addiction Medicine, NIMHANS, Bangalore.
10	Wearable Multi-Functional Physiological Hybrid e-Skin Inbox Mini Bahuleyan, Institute of Technology, Kollam, Kerala, India
11	Tele-rehabilitation of a child with Hearing Impairment Hannah Thomas, All India Institute of Speech and Hearing
12	Oropharyngeal Dysphagia in Parkinsonism: A Case Study on Tele-rehab Sabin Sharma Duwadi, All India Institute of Speech and Hearing

11.30 - 1.00 pm Panel II

Telehealth Standards towards Strengthening healthcare delivery system & Building resilience

Moderators: Colonel (Dr) Ashvini Goel & Dr Oommen John

Panelists:

- Dr. Najeeb Al-Shorbaji**, President, Middle East and North Africa Health Informatics Association, Jordan
- Dr. Gumindu Kulatunga**, Ministry of Health, Colombo, Sri Lanka
- Prof. Khondaker Mamun**, Department of Computer Science and Engineering, United International University, Dhaka, Bangladesh
- Dr.Anis Faud**, Department of Biostatistics, Epidemiology and Population Health, Universitas Gadjah Mada, Indonesia
- Dr. Lari Alhuwail**, Information Science Department, College of Life Sciences, Kuwait University
- Dr. Doree Shaper**, CEO, Australasian Institute of Digital Health, Australia (TBC)

Discussion: 15

1.00 - 2.00 pm Lunch Break

1.30 – 2.00 pm Poster Presentation III

Chair: Dr VK Gupta- Kolkata, Dr Sevanand Mohanty-Orissa

(Poster No. 13 – 20 Each Presentation: 04' followed 01', Q/A. Max 05 ppt.slides))

13	Telehealth and covid 19 Haleema Yezdani, New Delhi
14	A case of acute liver injury secondary to Dengue fever. Dr. Rathivika. S. Sundar, Dr. S. Prakash, Dr. S. Dheeraj Krishnaa, Star Health And Allied Insurance
15	Remote Monitoring and Source document Verification for India sites. Rajesh Joshi
16	Mobile Tele veterinary System with Animal Lifting and Standing Support facility for animal care P J Birtu, C Suddalaimani, Arun S, Nisha Balakrishnan, Muhammed Anwar J, Alexander G, Devanand P, Pooj J, Ponni M, Shamesra L, Sreenandha A S, Centre for Development of Advanced Computing (C-DAC), Thiruvananthapuram
17	Diagnosis of Acoustic Neuroma through Telemedicine Mubasher Ali, Apollo Tele-Health Services
18	Medicines from the Sky Farooq Ahmed, Apollo Tele-Health Services
19	The impact of Covid-19 pandemic on training of Pediatric surgeons in a tertiary: An appraisal. Deepak, AIIMS Rishikesh

2.00 - 4.00 pm Trade Exhibition & Industry Leader Podium

Telemedicine & Digital Health: Products & Solutions

Mr. Kishore Reddy, Bengaluru; **Mr. Indra Pratap Singh**, Lucknow;

Mr. Devendra Patel, Ahmedabad; **Mr. Bijoy M G**, Okkal, Kerala

Time	Industry	Title	Presentation By
2.00 - 2.15PM	Yash Technologies	Yash Technologies Corporate Profile	Mr. Birsewar Das
2.15 - 2.30PM	Abbott	Telecare in the management of Thyrotoxicosis	Prof. P K Pradhan
2.30 - 3.15PM	Solve Care	Webinar Session - Bridging the Healthcare Gap for India Using Blockchain Technology	Moderator - Ahmed Abdulrehman Panelist - Mahesh Srivastav, Amol Gadave, Priyanka Jain, Shivam Shekhar
3.15 - 3.45PM	Godrej	Webinar Session - Solutions offered by Godrej & Crestron	Mr. Jayaprakash Chinnamuthu and Team
3.45 - 4.00PM	Ayu Device	AyuSynk Bluetooth enabled Stethoscope from IIT, Bombay-apt for Telemedicine & promotes Doctor Safety	Mr. Adarsha Kachappally, Vishech Sinha

4.00 - 5.00 pm Symposium V

Digital Pathology

Convener: Dr. Sangeeta Desai, TMH, Mumbai, **Dr. Narendra Krishnani**, SGPGI, Lucknow

- How to go Digital in Pathology:
Dr. Juan Retamero, Spain

- Digital pathology experience of a standalone private laboratory over 8 years
Dr. Sujay Prasad, Anand Diagnostic Laboratory- A Neuberg Associate, Bengaluru

- Digital pathology experience of a tertiary cancer center
Prof. Rajiv Kumar, TMH, Mumbai

5.00 - 6.00 pm Free Paper Session VII

Moderators: Dr. Ravi Chittoria, JIPMER, Pondicherry, **Dr. Kevin Devasia** Rajagiri Hospital, Kerala

5:00	A preliminary study on reliability and feasibility of teleassessment in Children with Autism Spectrum Disorder: Haritha Mohanan, Tiwari Shivani Manpal Academy of Higher Education, Manipal, Karnataka
5:10	Evidence based Tele-rehabilitation in a Patient with Motor Neurone Disease: Anil Vijayalakshmi V, Anju R & Jayashree C Shanbal All India Institute of Speech and Hearing, Mysore, Karnataka
5:20	Effectiveness of Tele- Rehabilitation on Speech and Swallowing Skills in Siblings with Ataxia-Telangitactasia: Anju R, Devi Vijayalakshmi V, Jayashree C Shanbal India Institute of Speech and Hearing, Mysuru, Karnataka, India
5:30	Teleconsultation Services for Ayushman Bharat Health & Wellness Centres (AB-HWC) under Hub & Spoke Model: Amit Aggarwal, Manvi Singh, Aruna Singh, Sonu Goyal, Alisha Kishore, Anil Chauhan, Meenu Singh Postgraduate Institute of Medical Education and Research, Chandigarh, India
5:40	Cross-border telehealth ecosystem for international migrants: Aatraye Almas, Munich, Germany
5:50	Framework for Evaluation of Tele-Healthcare Platforms and Products: Centering Patients, Healthcare: Uma Nambiar, Ayushi Tandon, Madhava Sai Sivapuram, Vijayasimha Ajarananda, Digital Health India Association

6.00 - 7.30 pm Symposium VIII Tele-ophthalmology

Chairman - Prof Dr S Natarajan, Mumbai

Moderator - Dr. Manoj Mathur

- Diabetic retinopathy screening in India: **Prof Dr S Natarajan**
- How to organise and start Teleconsultation: **Dr. S. Patnaik**
- Equitable Access to AI in Eye Care: **Dr. Nicolas Jaccard**, USA
- AI based AMD screening: **Dr. Yogesan Kanagasasingam**, Australia
- Economic Impact of Tele-Ophthalmology in India: **Dr. Padmaja Rani**

Panel discussion - 20 min Topic- COVID Pandemic and Tele-Ophthalmology

Moderator - Dr Manoj Mathur

Panelist: **Prof. Dr. S. Natarajan**, Mumbai, **Dr. Yogesan Kanagasasingam**, Australia
Dr. BNR Subudhi, **Dr. Sheila John**, Chennai, **Dr Senthil Tamilarasam**, Chennai

7.30 - 8.00 pm Valedictory Function