

REPORT ON PHYSICAL ACTIVITIES

(April 2015 – March 2016)

TELEMEDICINE RRC JIPMER

1. Faculty List

Dr Ravi Kumar Chittoria

Nodal Telemedicine JIPMER,

Nodal Officer NKN / NMCN / ISRO Projects of MoH&FW, Govt. of India, New Delhi

2. Department Highlights

JIPMER is fully equipped with state of art Telemedicine infrastructure and equipment. JIPMER has High definition Video Conferencing System, Live Telecast System, Tele-Monitoring System, Medical Virtual Classroom System, Mobile Telemedicine Unit, Mobile Telemedicine Console, Digital Video Camera, Digital Camera, Digital X-Ray Scanner, Digital Microscope, LED Monitor, Wireless Mobile Wi-Fi Routers, Wi-Fi Routers, Desktops, Laptops, Tablets and Smartphones. JIPMER has various connectivity including National Knowledge Network (NKN) Connectivity, BSNL Connectivity, TEIN connectivity, APAN connectivity and ISRO Satellite connectivity. JIPMER Campus is fully Wi-Fi enabled. In JIPMER ISRO Satellite based Telemedicine started in 2004. Tele-Ophthalmology Project started in 2008. Tele-Onconet Project started in 2011. In October 2012 Telemedicine special Clinic started on every Tuesday and Thursday in Department of Plastic Surgery. Telemedicine Application for Emergency Patients of Plastic Surgery started in October 2012. National Knowledge Network (NKN) started in 2011. National Medical College Network (NMCN) Project started in March 2012. In March 2012, Ministry of Health and Family Welfare (MoH&FW), Govt. of India, New Delhi, declared JIPMER Telemedicine Centre as Regional Resource Centre (RRC) for implementation of NMCN Telemedicine Project for Medical College of Southern States (Andhra Pradesh, Karnataka, Kerala, Tamil Nadu, Pondicherry and Telangana). In October 2015, ISRO and MoH&FW declared JIPMER as a Nodal Centre for South India for implementation of Sabarimala Telemedicine Project. In February 2016, JIPMER started 24x7 Casualty Telemedicine Centre for free online consultation through Telephone (Toll Free) and Real Time Video Conferencing. In March 2016, JIPMER launched Free Tele-Barrier Nursing and Patient-Attendant Interaction Service. In November 2015, JIPMER collaborated through National Knowledge Network (NKN) with Telemedicine Development Centre of Asia (TEMDEC) Kyushu University, Japan, Trans Eurasia International Network (TEIN) and Asia Pacific Advanced Network (APAN). At present various Telemedicine Projects are running successfully including NKN Project, NMCN Project, ISRO Project, Sabarimala Project, Tele-Ophthalmology Project, Medical Virtual Classroom Project and Onconet Project. Various Telemedicine Services running in JIPMER include Tele-Emergency, Tele-ICU, Tele-OPD, Tele-Ward, Tele-OT, Tele-Health Camps, Tele-Surgery, Tele-Education, Tele-Monitoring, Tele-

Barrier Nursing, Tele-Patient-Attendant, Live Telecast, Video-Conferencing Services. Through Telemedicine JIPMER is well connected with National & International Institutions.

3. Educational Courses

JIPMER Telemedicine Service regularly conducts classes for Undergraduates, Post-Graduates, Nursing Students and Medical Record Technicians.

4. Telemedicine Activities:

a. Organised Video Conference / CME / Workshop

1. Organized Tele-videoconferencing on Renal Disease in Pregnant and Postpartum on 4th April 2015.
2. Organized Videoconferencing Session between JIPMER and NIC Officials New Delhi for e-Office Demonstration on 8th April 2015.
3. Organized Tele-videoconferencing on Interesting cases in Gastroenterology on 28th April 2015.
4. Organized Tele-videoconferencing on Initial experience of rigid bronchoscopy at SGPGI on 2nd May 2015.
5. Organized Videoconferencing Session between JIPMER and Hospital Saint Louis, Paris, France on 6th May 2015.
6. Organized Tele-videoconferencing on Cleft lip nose deformity correction: innovations and new directions on 9th May 2015.
7. Organized Live Telecast of JIPMER Sushruta Oration in Plastic Surgery on 23rd June 2015 delivered by Dr. Sathyanarayan Mishra.
8. Organized Tele-videoconferencing on Standard Operating Procedures for Effective Functioning of District Hospitals/Tertiary Healthcare Institutions on 25th June 2015.
9. Organized Live Telecast of GUEST Lecture: 'Diabetic foot Ulcers: The role of a reconstructive surgeon' on 21st Aug 2015 at S S Block, JIPMER, delivered by Dr Hari Venkatramani from Ganga Hospital, Coimbatore, TN.
10. Organized Live Telecast of CME on 'Role of synthetic absorbable calcium sulphate (Stimulan Rapid Cure)' on 18th Aug 2015 in Seminar room, Dept. of Plastic Surgery JIPMER.
11. Organized Live Telecast of 'JIPMER Smile Train Cleft Awareness Week' from 10th to 16th Aug 2015 in JIPMER.
12. Organized Live Telecast of Scientific Session 'Hypospadias and intersex' on 08th July 2015.

13. Organized Live Telecast of Scientific Session ‘Microvascular Surgery’ on 22nd July 2015.
14. Organized Tele-Videoconferencing (CGR) Session between SGPGI Lucknow & JIPMER on a concomitant surgeries during and post-open heart surgeries with systemic/oral anti coagulation: preliminary impact analysis &
15. Organized Tele-Videoconferencing session on Pregnancy in patients with mechanical prosthetic valves: observation in rural and semi-urban north Indian population and management issues at a tertiary care Institution on 08th Aug 2015.
16. Organized Live Telecast of Scientific Session ‘Safety & Quality Protocol for Cleft Patients’ at JIPMER on 12th Aug 2015.
17. Organized Live Telecast of GUEST Lecture: ‘Diabetic foot Ulcers: The role of a reconstructive surgeon’ on 21st Aug 2015 at S S Block, JIPMER, delivered by Dr Hari Venkataramani from Ganga Hospital, Coimbatore, TN.
18. Organized Tele Videoconferencing (CGR) Session between SGPGI Lucknow & JIPMER on “The influence of margin status on survival following pancreatic duodenal resection for carcinoma head of pancreas” on 22nd Aug 2015.
19. Organized Live Telecast of Scientific Session on oral cancer: causes, symptoms, treatment & prevention in on 25th Aug 2015.
20. Organized Live Telecast of ENT TODAY live surgery workshop (Head & Neck Surgery) from 1st to 2nd Oct 2015.
21. Organized Tele Video Conferencing Session on “Antibiotics selection in critically ill patients” between SGPGI Lucknow & JIPMER on 7th Oct 2015.
22. Organized Tele Video Conferencing (CGR) Session on “Integration of Palliative Cancer Care Program In the management Of Head and Neck Malignancies treated at the Regional Cancer Centre (RCC)” between SGPGI, IGMC Shimla, AIMS Kochi, CMC Vellore, JIPMER Puducherry, ILBS New Delhi, Hindalco Hospital, Renukoot, UP on 10th Sep 2015.
23. Organized Tele-Video Conferencing CGR Session on “Workshop on Molecular Techniques in Pathology” between SGPGI Lucknow & JIPMER on 12th Sep 2015.
24. Organized Tele Video Conferencing CGR Session “Gastrointestinal Tract as a Mirror for the Body” between IGMC, Shimla-AIMS, Kochi – CMC, Vellore – JIPMER Puducherry – ILBS, New Delhi – Hindalco Hospital, Renukoot, UP on 17th Oct 2015.

25. Organized Live Telecast of Scientific programme on “IVth Introductory Course on Primary Immunodeficiency Diseases” Dept. of Clinical Immunology and Medicine, JIPMER on 18th Oct 2015.
26. Organized Tele Video Conferencing of CME on Dermatology between CMC Vellore and JIPMER on 18th Sep 2015.
27. Organized Tele Video Conferencing CGR Session on “Ocular side effects of steroid therapy” between SGPPI Lucknow & JIPMER on 19th Sep 2015.
28. Organized Live Telecast of interactive (Tamil) Session focusing on “Stroke is Deadly but Treatable & Preventable” at JIPMER on 27th Oct 2015.
29. Organized Live Telecast of Scientific Session on “Pressure Sore” Dept. of Plastic Surgery, JIPMER on 30th Sep 2015.
30. Organized Live Telecast of Scientific Programme on “OBESITY AND METABOLIC SURGERY” on 27th Oct 2015 at JIPMER.
31. Organized Live Telecast of Scientific Programme on “CLEFT LIP AND PALATE – (PART 1)” on 30th Oct 2015 at JIPMER.
32. Organized Live Telecast of Scientific Programme on “BREAST CANCER UPDATE 2015” on 31st Oct 2015 at JIPMER.
33. Organized Live Telecast of Scientific Session ‘Public Awareness Programme for Dengue Prevention’ on 6th Nov 2015 in JIPMER.
34. Organized Video Conferencing CGR Session on “Oncogenic osteomalacia: Role of PET-CT scan in identifying the culprit lesion” on 7th November, 2015.
35. Organized Video Conferencing CGR Session on "Intervention Nephrology" on 14th November 2015.
36. Organized Video Conferencing Session of “Asia Telemedicine Symposium (ATS2015)” of Director JIPMER delivering his talk on Telemedicine in South Korea held on 14th November 2015.
37. Organized Live Telecast of CME Programme on "Updates on COPD" on 16th November 2015.
38. Organized Live webcast of session on “Pressure ulcer prevention webinar 2015” on 19th November 2015.
39. Organized Video Conferencing CGR Session on “Respiratory distress in Neonates” on 21st November 2015.
40. Organized Live Telecast of Interactive (Tamil) Session focusing on “Asthma and Chronic Obstructive Pulmonary Disease (COPD) - Threats and Treatments” on 24th November 2015.

41. Organized Live Telecast of Scientific Session on 'Cleft Lip And Palate (PART -II)' at JIPMER on 1st Dec 2015.
42. Organized Live Telecast of Scientific Session on '47th Annual Conference of the Society of Nuclear Medicine, India (SNMICON2015) at JIPMER from 3rd Jan 2015 to 6th Dec 2015.
43. Organized Tele Video Conferencing (CGR) Session between SGPGI Lucknow & JIPMER on "Radio Frequency Ablation of Complex Tachy Arrhythmia's" on 05th Dec 2015.
44. Organized Live Telecast of Scientific Session of Health Education Programme on 'STD/STI (Sexually Transmitted Infection), HIV/AIDS, ART TREATMENT, HIV-TB, HIV WITH ANC MOTHER AND HIV With Children" on 08th Dec 2015.
45. Organized Tele Video Conferencing (CGR) Session between SGPGI Lucknow & JIPMER on "CASE SERIES OF Clostridium difficile DIARRHEA" on 12th Dec 2015.
46. Organized Tele Video Conferencing (CGR) Session between SGPGI Lucknow & JIPMER on "Novel Molecular Diagnostics for Neuro-genetic disorders & Trinucleotide expansion disorders and Triplet repeat primed PCR" on 19th Dec 2015.
47. Organized Live Telecast of Scientific Session on 'Hydrocele and Elephantiasis" on 22nd Dec 2015.
48. Organize Live Telecast of Scientific Session on "National Conference on Clinical Research and Personalized Therapy (NCCP – 2015)" on 30th to 31st December 2015.
49. Organized Live Telecast of Scientific Session 'Public Awareness Programme for Dengue Prevention' on 6th Nov 2015 in JIPMER.
50. Organized Video Conferencing CGR Session on "Oncogenic osteomalacia: Role of PET-CT scan in identifying the culprit lesion" on 7th November, 2015.
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70. Organized Live webcast session on "Pressure ulcer prevention webinar 2015" on 19th November 2015.
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73. Organized Live Telecast of Scientific Session on 'Cleft Lip And Palate (PART -II)' at JIPMER on 1st Dec 2015.
74. Organized Live Telecast of Scientific Session on '47th Annual Conference of the Society of Nuclear Medicine, India (SNMICON2015) at JIPMER from 3rd Jan 2015 to 6th Dec 2015.
75. Organized Tele Video Conferencing (CGR) Session between SGPGI Lucknow & JIPMER on "Radio Frequency Ablation of Complex Tachy Arrhythmia's" on 05th Dec 2015.
76. Organized Live Telecast of Scientific Session of Health Education Programme on 'STD/STI (Sexually Transmitted Infection), HIV/AIDS, ART TREATMENT, HIV-TB, HIV WITH ANC MOTHER AND HIV With Children" on 08th Dec 2015.
77. Organized Tele Video Conferencing (CGR) Session between SGPGI Lucknow & JIPMER on "CASE SERIES OF Clostridium difficile DIARRHEA" on 12th Dec 2015.
78. Organized Tele Video Conferencing (CGR) Session between SGPGI Lucknow & JIPMER on "Novel Molecular Diagnostics for Neuro-genetic disorders & Trinucleotide expansion disorders and Triplet repeat primed PCR" on 19th Dec 2015.
79. Organized Live Telecast of Scientific Session on 'Hydrocele and Elephantiasis" on 22nd Dec 2015.
80. Organize Live Telecast of Scientific Session on "National Conference on Clinical Research and Personalized Therapy (NCCP – 2015)" on 30th to 31st December 2015.
81. Organized Live Telecast of President of India Speech on 19th Jan' 2016.
82. Organized Live Telecast of Prime Minister of India Speech in Jan' 2016.
83. Organized Live Telecast of International Conference on "Symposium in Neuroophthalmology" using NKN Connectivity between JIPMER and Sankara Nethralaya, Chennai on 9th Jan' 2016.

84. Organized Live Telecast of Interactive (Tamil) Session focusing on “DRUG ADDICTION” on 12th Jan’ 2016.
85. Organized Live Telecast of Scientific Programme on Flaps on 13th January 2016
86. Organized Live Telecast of Scientific Programme on Dupuytren’s Contracture on 20th January 2016
87. Organized Live Telecast of Scientific Programme on CME – “Recent Advances in EPILEPSY” 8th February 2016
88. Organized Live Telecast of Interactive (Tamil) Session focusing on “Early Detection of Childhood Cancers” on 9th February 2016
89. Organized Live Telecast of Scientific Programme on Application of Local Anaesthetics in Plastic Surgery on 12th February 2016.
90. Organized Video Conferencing (CGR) Session on Image Guided Intervention in Endocrine Surgery at SGPGI: Evolution, Surgical Practice & Future on 13th Feb’ 2016.
91. Organized Live Telecast of Scientific Programme on Young Onset Diabetes Mellitus in India - Insights into the Pathogenesis, Epidemiology and Diagnosis- Perspectives from Vellore on 16th February 2016.
92. Organized Video Conferencing Session on Laparoscopic Monosegmentectomy on 15th Feb’ 2016.
93. Organized Video Conferencing (CGR) Session on Posterior tibial nerve stimulation [PTNS] in lower urinary tract dysfunction in Pediatric and adolescents on 20th Feb 2016.
94. Organized Live Telecast of Interactive (Tamil) Session focusing on “Chronic Skin Diseases” on 23rd February 2016.
95. Organized Live Telecast of Scientific Programme on “47th Annual Conference of the Society of Nuclear Medicine, India (SNMICON2015)” on 26th to 28th February 2016.
96. Organized Video Conferencing CGR Session on “Membrane plasmapheresis in Neurology: a preliminary experience” on 5th March, 2016.
97. Organized Live Telecast of Interactive (Tamil) Session focusing on “Save Your Sight - Know Glaucoma” on 7th March 2016 held in JIPMER.
98. Organized Live Telecast of Interactive (Tamil) Session focusing on “Early Detection of Breast & Cervical Cancer” on 8th March 2016 held in JIPMER.
99. Organized Live Telecast of Scientific Programme - "JIPMER Sushruta Oration in Plastic Surgery" on 8th March 2016.

100. Organized Video Conferencing CGR Session on “Dialysis in acute kidney injury (AKI) patients: An experience in septic shock patients” on 12th March 2016.
101. Organized Live Telecast of Scientific session on “Intensive Patient Counseling Program of The JIPMER Smile Train Cleft Project”, Department of Plastic Surgery” on 14th March 2016
102. Organized Live Webcast of Scientific Session on “Thyroid Disease Management in Women” on 17th March 2016
103. Organized Live Telecast of Scientific Session on "Tissue Expansion" on 18th March 2016.
104. Organized Live Webcast of International conference on “Symposium in Neuroophthalmology" on 18th to 20th March 2016.
105. Organized Video Conferencing CGR Session on "Second Generation Tyrosine Kinase Inhibitors in Management of Chronic Myeloid Leukemia – Experience with Nilotinib" on 19th March 2016.
106. Organized Live Telecast of Interactive (Tamil) Session focusing on “Tuberculosis: Find, Treat, Eliminate” on 22nd March 2016 held in JIPMER.
107. Organized Live Telecast of Scientific Session on “Adult Brachial Plexus Injury” on 23rd March 2016.

b. Faculty conference participation

(i) Guest Lectures Delivered

- Dr Ravi Kumar Chittoria as faculty delivered a Guest Lecture through Tele Video Conferencing on ‘Wound Management’ for CME organized by Dept. of Surgery, Annamalai University, Chidambaram on 29th Aug 2015.
- Dr S C Parija as faculty delivered Guest lecture on Telemedicine in JIPMER on 14th November 2015 in the Asia Telemedicine Symposium (ATS2015) held from 13th to 14th Nov 2015 in South Korea organised by TEMDEC, Japan.
- Dr Ravi Kumar Chittoria as faculty delivered guest lecture on ‘NKN in JIPMER’ in NKN Workshop held from 22nd to 23rd January 2016 at Hyderabad organized by Ministry of DEITY, Govt. of India.
- Dr Ravi Kumar Chittoria as faculty delivered a lecture ‘Telemedicine in JIPMER’ in KGMC Lucknow on 5th Nov’ 2015.

- (ii) Conference attended as Faculty
 - Dr Kalaiyarasan as faculty attended Asia Telemedicine Symposium (ATS2015) held from 13th to 14th Nov 2015 in South Korea organised by TEMDEC, Japan.
 - Dr Ravi Kumar Chittoria as faculty attended remotely online through Video Conferencing Session in 'Asia Telemedicine Symposium (ATS2015)' held from 13th to 14th Nov 2015 in South Korea organised by TEMDEC, Japan.
 - Dr Ravi Kumar Chittoria as faculty attended NKN Workshop held from 22nd to 23rd January 2016 at Hyderabad organized by Ministry of DEITY, Govt. of India.
 - Dr S C Parija as faculty attended remotely online through Video Conferencing Session between JIPMER and MoH&FW, New Delhi in October 2015.
 - Dr Ravi Kumar Chittoria as faculty attended remotely online through Video Conferencing Session between JIPMER and MoH&FW, New Delhi in October 2015.
 - Dr Ravi Kumar Chittoria as faculty attended remotely online through Video Conferencing Session between JIPMER and ISRO Officials in November 2015.
 - Dr Ravi Kumar Chittoria as faculty attended remotely online through Video Conferencing Session between JIPMER and Sabarimala Officials in November 2015.
 - Dr Ravi Kumar Chittoria as faculty attended remotely online through Video Conferencing Session between JIPMER and ISRO Officials in December 2015.
 - Dr Ravi Kumar Chittoria as faculty attended remotely online through Video Conferencing Session between JIPMER and Sabarimala Officials in December 2015.
 - Dr Ravi Kumar Chittoria as faculty attended remotely online through Video Conferencing Session between JIPMER and ISRO Officials in January 2016.
 - Dr Ravi Kumar Chittoria as faculty attended remotely online through Video Conferencing Session between JIPMER and Sabarimala Officials in January 2016.
 - Dr Ravi Kumar Chittoria as faculty attended remotely online through Video Conferencing Session between JIPMER and ISRO Officials in February 2016.
 - Dr Ravi Kumar Chittoria as faculty attended remotely online through Video Conferencing Session between JIPMER and Sabarimala Officials in February 2016.

c. Participation in health camps/ public health awareness/ education programme

1. Dr Ravi Kumar Chittoria participated remotely (online) in Health Education Programme on “Tuberculosis: Find, Treat, Eliminate” on 22nd March 2016 held in JIPMER
2. Dr Ravi Kumar Chittoria participated remotely (online) in Health Education Programme on “Stroke is Deadly but Treatable & Preventable” on 27th Oct 2015 held in JIPMER.
3. Dr Ravi Kumar Chittoria participated remotely (online) in Health Education Programme on ‘Public Awareness Programme for Dengue Prevention’ on 6th Nov 2015 held in JIPMER.
4. Dr Ravi Kumar Chittoria participated remotely (online) in Health Education Programme on “Asthma and Chronic Obstructive Pulmonary Disease (COPD) - Threats and Treatments” on 24th November 2015 held in JIPMER.
5. Dr Ravi Kumar Chittoria participated remotely (online) in Health Education Programme on “STD/STI (Sexually Transmitted Infection), HIV/AIDS, ART TREATMENT, HIV-TB, HIV WITH ANC MOTHER AND HIV with Children” on 08th Dec 2015 held in JIPMER.
6. Dr Ravi Kumar Chittoria participated remotely (online) in Health Education Programme on ‘STD/STI (Sexually Transmitted Infection), HIV/AIDS, ART TREATMENT, HIV-TB, HIV WITH ANC MOTHER AND HIV With Children” on 08th Dec 2015 held in JIPMER.
7. Dr Ravi Kumar Chittoria participated remotely (online) in Health Education Programme on “Save Your Sight - Know Glaucoma” on 7th March 2016 held in JIPMER.
8. Dr Ravi Kumar Chittoria participated remotely (online) in Health Education Programme on “Early Detection of Breast & Cervical Cancer” on 8th March 2016 held in JIPMER.
9. Dr Ravi Kumar Chittoria participated remotely (online) in Health Education Programme on on “Tuberculosis: Find, Treat, Eliminate” on 22nd March 2016 held in JIPMER.
10. Dr Ravi Kumar Chittoria participated remotely (online) in Tele-Health Camps held in Karaikal in the month of April 2015 and Teleconsultation given for 4 patients.
11. Dr Ravi Kumar Chittoria participated remotely (online) in Tele-Health Camps held in Karaikal in the month of June 2015 and Teleconsultation given for 6 patients.
12. Dr Ravi Kumar Chittoria participated remotely (online) in Tele-Health Camps held in Karaikal in the month of August 2015 and Teleconsultation given for 4 patients.
13. Dr Ravi Kumar Chittoria participated remotely (online) in Tele-Health Camps held in Karaikal in the month of October 2015 and Teleconsultation given for 5 patients.
14. Dr Ravi Kumar Chittoria participated remotely (online) in Tele-Health Camps held in Karaikal in the month of December 2015 and Teleconsultation given for 4 patients.
15. Dr Ravi Kumar Chittoria participated remotely (online) in Tele-Health Camps held in Karaikal in the month of February 2016 and Teleconsultation given for 6 patients.

16. Dr Ravi Kumar Chittoria participated remotely (online) in TNCMCHS Tele-Health Camps held in the month of April 2015 and Teleconsultation given for 4 patients.
17. Dr Ravi Kumar Chittoria participated remotely (online) in TNCMCHS Tele-Health Camps held in the month of July 2015 and Teleconsultation given for 3 patients.
18. Dr Ravi Kumar Chittoria participated remotely (online) in TNCMCHS Tele-Health Camps held in the month of October 2015 and Teleconsultation given for 4 patients.
19. Dr Ravi Kumar Chittoria participated remotely (online) in TNCMCHS Tele-Health Camps held in the month of January 2016 and Teleconsultation given for 6 patients.

d. Major events in Department

i. Visiting Professor/Faculty

1. Dr Prakash Selvam, Senior Orthopedician from 'Bone & Joint Hospital Chennai' visited the 'Telemedicine Services' on 18th August, 2015.
2. Dr Hari Venkataramani, Senior Plastic Surgeon from Ganga Hospital, Coimbatore, visited the 'Telemedicine Services' on 21st August 2015.
3. Prof Dr Prabha Yadav, Prof & Head, Department of Plastic Surgery, TATA Hospital Mumbai visited the 'Telemedicine Services' 23rd August, 2015.
4. Prof Dr Prema Dhanraj, Prof & Head, Department of Plastic Surgery, Rajarajeswari Medical College, Bangalore visited the 'Telemedicine Services' 23rd August, 2015.
5. Railtel Official Mr Michael appointed by MOH&FW, New Delhi visited in Dec' 2015 to see Telemedicine Services for developing National Data Recovery centre in JIPMER.
6. Dr Sheila John Telemedicine Nodal Officer with her Team from Sankranethralaya, Chennai visited Telemedicine Services in JIPMER in Feb' 2016.
7. Prof Dr Niti Khunger from Department of Dermatology, Safdarjung Hospital, New Delhi visited Telemedicine Service of JIPMER in Jan' 2016.
8. Prof Dr Sachithanand from Department of Dermatology, Bangalore Medical College visited Telemedicine Services in Jan' 2016
9. Dr K. Mathangi Ramakrishnan visited JIPMER Telemedicine Services and she was felicitated in a programme 'JIPMER Sushruta Oration in Plastic Surgery' organized by Department of Plastic Surgery on 8th March 2016.
10. Dr. Pramod Kumar visited JIPMER Telemedicine Services and he was delivered a lecture conduct 'Course, CME & Workshop on LAD' on 28th March 2016.

ii. New Services Started

- Started Live Telecast of 'JIPMER Health Education Programme' from July 2015 onwards.
- 'Telemedicine Centre' was created in Casualty of EMS of JIPMER for Teleconsultations for pilgrims of Sabrimala using ISRO Satellite Connectivity on 17th Nov 2015.
- '**Dial JIPMER (24x7) Service**' was started for 'Emergency Telephonic-Consultations' for Public on 27th Nov 2015 using one Toll free number, Two Mobile numbers and three Landline numbers.
- Started 'JIPMER Casualty Telemedicine Service' for Live Videoconferencing based Consultations using NKN connectivity in Nov 2015.
- Started Tele-Barrier Nursing (Patient – Attendant Interaction) Service for ICUs of SS Block Inaugurated by Prof Dr S C Parija, Director JIPMER on 19th March 2016.
- JIPMER developed Telemedicine Collaboration with Seoul National University Bundang Hospital, South Korea in Feb' 2016.

iv. Awards and Honours

1. Dr Ravi Kumar Chittoria received 'BMQR AIAO-BAR ISO 9001:2008' Award for Quality Management System for Telemedicine Services on 19th August, 2015.
2. Dr Ravi Kumar Chittoria received 'JIPMER Hall of Fame Award' in Feb' 2016 for JIPMER Telemedicine Services.

c. Administrative Assignments

- Dr Ravi Kumar Chittoria was nominated by Director to attend GNSS User Meet organized by ISRO on "Towards self-reliance in Satellite Navigation" on 8th October 2015 in Bangalore.
- Dr Ravi Kumar Chittoria was nominated by Director JIPMER as 'Nodal Officer (ISRO) of Implementation of Telemedicine Pilot Project for Establishment of Telemedicine center at Ayappa Pilgrimage in Kerala held in Sep 2015.
- Dr Ravi Kumar Chittoria was nominated by MOHFW Delhi as 'Committee Member' of Committee for a Pilot project using Space Technology Tools for establishment of Tele-Medicine centers ant Ayappa Pilgrimage for Tele consultation in Oct 2015.

- In Nov' 2015 ISRO Team visited JIPMER and Transferred ISRO Dish Antenna from Old Institute Block to Trauma Centre 5th Floor Terrace and reactivated ISRO Connectivity in JIPMER.
- As per the request of Vice Chancellor of KGMC University Lucknow prepared MoU between JIPMER and KGMC University Lucknow and sent to Vice Chancellor of KGMC University Lucknow to sign and return back.
- As per instruction of Director JIPMER started Live Telecast of 'JIPMER Health Education Programme' from July 2015 onwards.
- Director JIPMER Organized a meeting in Nov' 2015 with Medical Superintendent, HOD EMS and Dr Ravi Kumar Chittoria to identify a place in Casualty for ISRO Sabarimala Project.
- Director JIPMER Organized a meeting in Dec' 2015 with Medical Superintendent, HOD EMS, BSNL SDE Mr Ganesh and Dr Ravi Kumar Chittoria to identify a place in Casualty for 'JIPMER Casualty Telemedicine Centre' and 'DIAL JIPMER SERVICE'.
- Dr Ravi Kumar Chittoria prepared duty roaster for ISRO Sabarimala Project and 'JIPMER Casualty Telemedicine Centre' and 'DIAL JIPMER SERVICE' in Feb' 2016.
- Director Organized a meeting with Regional Manager SBI Mr Sankar and Branch Manager JIPMER Mr Varadarajan to start 'JIPMER-SBI Tele-Ambulance Service' and 'JIPMER-SBI Tele-Cyber Clinic Service' in Nov' 2015.
- Dr. Ravi Kumar Chittoria Attended the training Programme in RED Cap software on 11th Dec 2015 in JIPMER.
- Dr Ravi Kumar Chittoria planned a Telemedicine Setup in Director Chamber in Jan' 2016.
- Director Organized a JITS meeting in Nov' 2015 with NKN Director Puducherry, BSNL Officials, HIS Officer In-Charge, CRAFT Officer In-Charge and Telemedicine Officer In-Charge to increase NKN Utilization in JIPMER.
- Dr Ravi Kumar Chittoria attended on 14th Jan' 2016 meeting with Aurobindo Society Puducherry officials for Telemedicine Collaboration.
- Dr Ravi Kumar Chittoria was nominated by Medical Superintendent as Officer In-Charge of Casualty Telemedicine Centre on 12th Feb' 2016.
- In Jan' 2016 Telemedicine MoU signed between JIPMER and Aurobindo Society Puducherry.
- Director JIPMER made Telemedicine Committee with Dr Ravi Kumar Chittoria as Chairman and Dr Kalaiyarasan as Member Secretary in Jan' 2015.
- Dr Ravi Kumar Chittoria attended meeting in relation to Telemedicine MoU with Mother Teresa Postgraduate Institute and Health Sciences, Puducherry on 8th Jan' 2016.

- JIPMER Signed Telemedicine MoU with Mother Teresa Postgraduate Institute and Health Sciences, Puducherry in Feb' 2016.
- Director Organized a JITS meeting in Feb' 2016 with BSNL Officials, HIS Officer In-Charge, CRAFT Officer In-Charge and Telemedicine Officer In-Charge to increase NKN Utilization in JIPMER.
- As per instruction of Director, Dr Ravi Kumar Chittoria submitted DPR proposal requirement for establishment of 'JIPMER Telemedicine Centre' at JISPH in Jan' 2016.
- Dr Ravi Kumar Chittoria submitted DPR of Sabarimala Project to MoH&FW in Jan' 2016.
- In Jan' 2016, Director nominated Dr Ravi Kumar Chittoria to develop Telemedicine Centre in JIPMER Karaikal Medical College.
- In Jan' 2016, Director nominated Dr Ravi Kumar Chittoria to develop Telemedicine Centre in 'JIPMER Rural Health Centre' Ramanathapuram, Puducherry.
- Dr Ravi Kumar Chittoria Attended meeting conducted by Director JIPMER regarding establishment of Telemedicine Centre in 'JIPMER Rural Health Centre' Ramanathapuram, Puducherry.
- Dr Ravi Kumar Chittoria Attended meeting conducted by Director JIPMER regarding establishment of Telemedicine Centre in JIPMER Karaikal Medical College.
- Dr Ravi Kumar Chittoria visited 'JIPMER Rural Health Centre' Ramanathapuram, Puducherry in Feb' 2016 regarding establishment of Telemedicine Centre.
- Dr Ravi Kumar Chittoria visited to JIPMER Karaikal Medical College in Feb' 2016 regarding establishment of Telemedicine Centre.
- Mr Mohamed Ishaq Telemedicine Staff attended training in Telemedicine in Phillipines in Jan' 2016.
- In Jan' 2016, JIPMER started Telemedicine collaboration with Telemedicine Development Centre of Asia (TEMDEC), Japan.
- In Feb' 2016, JIPMER started Telemedicine collaboration with Trans Eurasia Information Network (TEIN).
- In Feb' 2016, Rupees Ninety Eight Thousand Five Hundred spent for HIS for procurement of Manageable Switch from NMCN Project Fund.
- The Utilization Certificate, SoE, Telemedicine report from March 2015 to Feb' 2016 submitted to MoH&FW, New Delhi.
- In Feb' 2016, Submitted online registry performa to NIC for Interventional Data for the period Jan' 2015 to Dec' 2015.

- Director JIPMER nominated Dr Ravi Kumar Chittoria as member of ‘Tele Education and Telemedicine Committee’ for JIPMER Karaikal Project in Jan’ 2016.
- Director JIPMER nominated Dr Ravi Kumar Chittoria as member as group Co-Ordinator ‘Tele Education and Telemedicine Committee’ for JIPMER Karaikal Project in Jan’ 2016.
- Dr Ravi Kumar Chittoria submitted online report to NIC, New Delhi for Swachi Bharath Abhiyan activity from 15th to 29th Feb’ 2016 at NKN connected Institutions.
- As per the instruction of Director JIPMER Dr Ravi Kumar Chittoria visited to Sabarimala for site inspection for implementation of Sabarimala ISRO Telemedicine Project.

5. Photographs:

1. Live Telecast of one of the Health Education Programme from JIPMER to Medical Colleges of South India



2. Live Telecast of one of the Seminars from JIPMER to Medical Colleges of South India



3. Live Telecast of one of the CME from JIPMER to Medical Colleges of South India



4. Live Telecast of one of the Workshop from JIPMER to Medical college of SouthIndia



5. Live Telecast of one of the Conference from JIPMER to Medical college of SouthIndia



6. One of the Videoconferencing meeting between JIPMER and MOH&FW, New Delhi



7. One of the Videoconferencing Teaching Session between JIPMER and SGPGI Lucknow



8. One of the Videoconferencing Session between JIPMER and Sabarimala Officials



9. Visit of Director JIPMER to Sabarimala for inspection of ISRO Telemedicine Project



10. One of the Videoconferencing Session between Doctors of JIPMER and Doctors of Sabrimala Telemedicine Service.



11. Dial JIPMER Service Centre in JIPMER for Telephonic (Toll-Free) Emergency Consultations for Public



12. JIPMER Casualty Telemedicine Centre for Emergency Tele-Videoconferencing based Consultations for Public



13. Director JIPMER delivering lecture on Telemedicine in South Korea in Asia Telemedicine Symposium 2015



14. Dr Ravi Kumar Chittoria from JIPMER participating remotely online in Asia Telemedicine Symposium 2015 held in South Korea



15. One of the Videoconferencing Session between JIPMER & Kyushu University, Japan.



16. Tele-OPD Consultation Service in JIPMER



17. Telemedicine Clinic in JIPMER for Tele-Consultations.



18. Tele-Ward Round Consultation Service in JIPMER



19. Tele-ICU Consultation Service in JIPMER



20. Inauguration of Tele-Barrier Nursing cum Tele-Patient Attendant Interaction Service in JIPMER by Director JIPMER on 19th March 2016.



21. One of the Patient using Tele-Barrier Nursing cum Tele-Patient Attendant Interaction Service in JIPMER



22. Tele-Monitoring (on smartphone) of sick Burn Patients of JIPMER Tertiary Burn Centre by Consultant.



23. Tele-Surgery Monitoring Service in JIPMER showing Consultant Monitoring Surgery Online



24. Tele-Emergency Consultation Service



25. Head Mounted Video Camera Based Tele-Monitoring & Recording of Surgeries



26. Spectacle Mounted Video Camera Based Tele-Monitoring & Recording of Surgeries



27. 3-D Google Card Board Based Tele-Consultations



28. Indigenous Cost Effective Mobile Telemedicine Console prepared and being used in JIPMER



29. Mobile Telemedicine Unit for Tele-Ophthalmology Consultations.



30. One of the Tele-Health Camp Consultation Service



31. Medical Virtual Class Room (MVCR) Teaching Session in JIPMER



32. m-Health Consultation Service in JIPMER



33. Dr Ravi Kumar Chittoria received 'BMQR AIAO-BAR ISO 9001:2008' Award for Quality Management System for Telemedicine Services on 19th August, 2015.



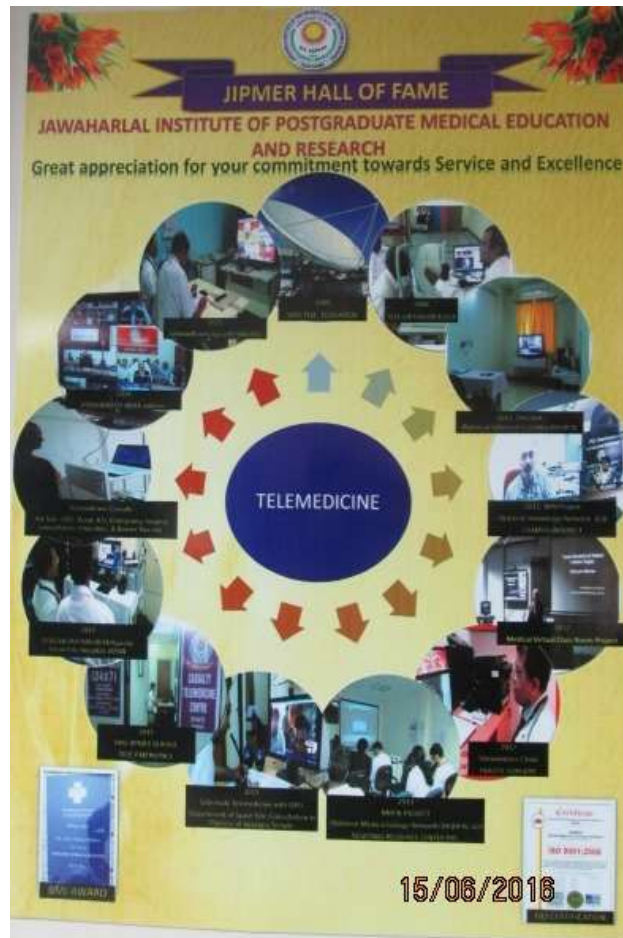
34. Live Webcast of **Hon'ble President of India** Speech to JIPMER



35. Live Webcast of **Hon'ble Prime of India** Speech to JIPMER



39. Dr Ravi Kumar Chittoria received 'JIPMER Hall of Fame Award' in Feb' 2016 for JIPMER Telemedicine Services.



6. JIPMER Telemedicine Service in News

4 HINDU - 19/10/15

Jipmer plans telemedicine centre at Sabarimala

Identifies locations to serve as nodes with ISRO help

M. Dinesh Varma

PUDUCHERRY: The Jawaharlal Institute of Medical Education and Research (Jipmer) has identified possible locations to serve as nodes for rendering telemedicine consultation with ISRO support to Sabarimala pilgrims during the Mandala Pooja festival beginning mid-November.

A Jipmer team, led by its director S.C. Parija, which surveyed the terrain between Pamba and the Sannidhanam, would submit a report to the Union Health Ministry on the possible locations where telemedicine infrastructure could be provided in Sabarimala. Among the locations identified are a hospital in Pamba, Government Cardiology Centre in Neelimala and Government Dispensary in Sannidhanam.

Jipmer, which has been designated as a 'Regional Resource Centre (RRC) for Telemedicine' for South India by the Health Ministry, has already set up a telemedicine room in its emergency medicine complex to offer its consultation expertise via tele-video conferencing on round-the-clock basis during the pil-

grimage season.

Dr. Parija, after interacting with District Medical Officer and the officials concerned and inspecting various places between the Pamba Hospital (downhill) and the Sannidhanam Health Centre near Ayyappa Temple (uphill), suggested that various emergency lifesaving measures be kept ready before tele-consultation is taken from specialists of Jipmer.

"We have recommended bringing the nearest major hospital into the telemedicine loop so that expert care can be provided in the eventuality of mass casualties," said Ravi Chitoria, Head of Plastic Surgery and nodal officer for the project.

The Jipmer team also explored alternative options to ISRO Telemedicine Connectivity to expand outreach.

The BSNL network was found to support video conferencing to Jipmer from various locations on the hill.

Dr. Parija has recommended that every 500 metres to 1 km along the roughly four-km climb, a paramedical staff with 'Mobile Resuscitation Kit' may be made available to resuscitate victims and injured pilgrims immediately before transporting them to the telemedicine centre.

These paramedics may also be provided with smart phones to video-consult the telemedicine centre before physically moving the patient to the facility.

The Jipmer Director suggested that in order to shift potential victims of stampede, injuries, heart attack or head injury from the site of accident to telemedicine centre, good transportation measures had to be provided using locally available structures such as mobile stretchers or utilising existing 'Palkias' (at present being used for carrying old people for 'darshan').

He also suggested carrying out regular disaster management drills from time to time. Various NGOs may be involved to provide volunteers for helping the victims and movable tents may be used to provide immediate shelter and care to victims at the site of accidents before shifting them to the telemedicine centre.

The project was conceived in line with Prime Minister Narendra Modi's plan to use space technology to deliver health services.

Japan varsity to provide telemedicine facilities

Times News Network

Puducherry: Kyushu University, Japan has collaborated with Jawaharlal Institute of Postgraduate Medical Education and Research (Jipmer) to provide telemedicine facilities in the field of surgical gastroenterology through video conferencing.

The Japan university's telemedicine development centre of Asia acknowledged Jipmer's telemedicine activities and invited Jipmer director S.C. Parija to attend the 9th Asia telemedicine symposium to be held on November 13 and 14 at Chungbuk National University in South Korea.

With the collaboration, the two institutions will share their technical expertise and latest medical advancements through seminars, workshop, live surgeries and continuing medical education programmes.

Jipmer has already established collaborations with universities in the United States, United Kingdom, France, Germany, Indonesia, Sri Lanka and Australia among others to extend telemedicine activities.

It might be recalled that the Union ministry of health and family welfare and Indian space research organisation (Isro) designated Jipmer as regional resource centre for telemedicine for south India as early as 2013 to extend medical care to the people, who cannot afford the treatment due to their inability to travel.

Jipmer will soon establish a space technology telemedicine centre with dedicated specialists extending emergency medical services round the clock at a health centre in Sabarimala to the needy pilgrims visiting the temple.

The ministry and Isro will extend financial support for the project.

HINDU - 19/10/15

Jipmer team leaves for Sabarimala

To assess logistics for tele-medicine services to pilgrims visiting the hill-shrine

M. Dinesh Varma

PUDUCHERRY: A three-member team from the Jipmer has left for Sabarimala in Kerala for an assessment of logistics ahead of launching tele-medicine services for offering specialised emergency care to pilgrims visiting the hill-shrine.

The team led by Jipmer Director S.C. Parija will look to finalise the space at a Government Health Centre in Sabarimala which could be used for delivering tele-medicine services from Jipmer. Dr. Ravi Chitoria, Head, Department of Plastic Surgery, Jipmer and the Nodal officer for the project is also part of the team.

The Ministry of Health and Family Welfare and the



A view of the Jipmer campus in Puducherry.

— PHOTO: T. SINGARAVELU

ISRO had identified Jipmer as the Nodal Centre to provide remote health care over tele-medicine platform to

pilgrims of the Ayyappa Temple in Sabarimala.

In this regard, Jipmer is developing a Space Technol-

ogy/Telemedicine Centre in Emergency Medical Services (EMS) with dedicated specialists in service 24x7.

Under the plan, ISRO will establish the satellite communication facility between Jipmer and the Health centre at Sabarimala, run by the Government of Kerala.

"Once we finalise the space to deliver the tele-medicine services at Sabarimala, we are expecting a visit by a technical team from ISRO to Jipmer," a Jipmer official said.

The tele-medicine facility at Jipmer will be housed in the Jipmer emergency medicine building, where a chief medical officer will coordinate with the concerned specialist to offer medical advice as and when the need

arises at the secondary site in Sabarimala.

Jipmer is already a MHPW-recognised centre for telemedicine and has established tele-medicine architecture on a funding of about Rs. 1.6 crore.

Jipmer uses the tele-medicine platform to connect with various centres in India and abroad such as AIIMS New Delhi, PGIMER Chandigarh, SGPGI Lucknow, KEM Mumbai, CMC Vellore, SRMC Chennai, Sankara Nethralaya Chennai, AIMS Kochi and Harvard University, John Hopkins University and Michigan School of Medicine apart from medical institutions in UK, Germany, France, Australia, Japan, Malaysia and Indonesia.

HINDU - 4/12/15

Jipmer launches emergency service

STAFF REPORTER

PUDUCHERRY: The Jawaharlal Institute of Post graduate Medical Education and Research (Jipmer) announced the setting up of a 24/7 helpline in Casualty for patients requiring emergency tele-medical services.

A team of senior and junior doctors will be given a smartphone to attend to calls, said a press release from Jipmer. The doctor on duty will guide the patient on immediate first aid through the telephone. If the patient's distress is relieved, then he or she may be asked to come to the outpatient department concerned as advised by the Casualty doctor.

If not, the patient will be advised to reach the Casualty as soon as possible, with information on transportation, and where to report at Jipmer, and formalities and records to be brought. If the patient is far away, the doctor will guide him or her to the nearest hospital. Details about the patient will be recorded.



At the Jipmer Tele-Medicine Centre, the doctor on duty will guide the patient on first aid through the telephone. — PHOTO: SPECIAL ARRANGEMENT

Patients with access to the internet can speak to the doctor on duty through the video chat and voice call software Skype, for which the ID is 'Casualty Desktop Telemedicine JIPMER' or 'Casualty Mobile Telemedicine JIPMER'. The doctor will be able to see the patient's inju-

ry, if any, this way.

The institute has said the service is strictly for emergency services only, and general enquiry will not be entertained.

The number of the Jipmer emergency tele-medicine service is 9047590563.

INDIAN EXPRESS - 19/11/15

JIPMER Telemedicine Network to Go Global

Step aimed at sharing knowledge with similar facilities world over

Express News Service

Puducherry: JIPMER has taken a major step to expand its telemedicine network globally. It is planning to initiate telemedicine collaborations with various international telemedicine networks including Telemedicine Development Center of Asia (TEMDEC), Asia Pacific Advanced Network (APAN) and Trans-Eurasia Information Network (TEIN), said JIPMER Director Dr S C Parija. Partnerships with international networks would help JIPMER to share knowledge with most of the countries in the world and strengthen healthcare delivery system in India.

Dr Parija said that JIPMER has been designated as Regional Resource Centre (RRC) for telemedicine activities in South India. The RRC at JIPMER caters to more than 160 medical colleges in five southern states. The telemedicine infrastructure at JIPMER is up to date with most of the available telemedicine equipment including high speed (1Gbps) internet connectivity and satellite connectivity. Various telemedicine projects are currently running in JIPMER, which include Onconet Cancer Project, National Knowledge Network (NKN),

ONLINE PATIENT REGISTRATION ON CARDS

Puducherry: JIPMER will soon have an Online Patient registration (ORS) with SMS integration so that the patients can know the status of investigation reports and they can take printout or download the lab reports from home or common service center (CSC), Director Dr S C Parija said. Inaugurating an advanced facility of Hospital Information System (HIS) at JIPMER on Tuesday, Dr Parija said HIS of JIPMER has initiated the interface of most of the biomedical laboratory equipment with its HIS software so that as and when a diagnostic report is completed by the equipment the report will be directly sent to the HIS Unit software for the Consultant's authorisation. Once the authorisation has been made the lab report will be published in JIPMER's website. **ENS**

National Medical College Network (NMCN) and Medical Virtual Class Room (MVCR) Project, Tele-Ophthalmology Project, ISRO Telemedicine Project. Telemedicine patient care services including Tele-Emergency, Tele-OPD, Tele-ICU, Tele-Follow-up Clinic, Mobile Telemedicine Kiosk Consultations are successfully running in JIPMER.

Impressed with the facility, Dr Shuji Shimizu, Director, Telemedicine Development Center of Asia (TEMDEC), Kyushu University, Japan had invited JIPMER to participate in the 9th Asia Telemedicine Symposium-2015 in South Korea. The symposium, organised by TEMDEC, was held at Chungbuk National University, Cheongju, South Korea on November

13 and 14. Selected invitees from major medical institutes from Asia participated in the event. From JIPMER, Director Dr Parija and Dr Kalayarasan, Assistant Professor of the Department of Surgical Gastroenterology attended the event. Dr Ravi Kumar Chittoria,

Nodal officer of Telemedicine and Head of the Department of Plastic Surgery and JIPMER Telemedicine Team including Satheesh Kumar (HIS), Mohamed Ishaq (Telemedicine Staff) and NIC Puducherry official R Rajasekaran, participated remotely from Telemedicine Centre JIPMER. In the symposium Directors of major medical institutes in Asia discussed use of telemedicine effectively in a public health crisis.

Now Get Emergency Medical Advice by Video Chat from JIPMER Docs

Express News Service

Puducherry: Timely medical advice for patients in emergency and trauma can be availed immediately from JIPMER with the premier health institute strengthening its facilities by introducing video consultation through Skype and a toll-free number for contacting the doctor in case of an emergency.

The "DIAL-JIPMER Telemedicine Emergency Service" 24x7 help line in Casu-

ality of a patient requiring emergency consultation. Doctor on duty will guide the patient telephonically for immediate first aid possible at the patient end to relieve the distress of the patient. If patient's distress is relieved then patient may be asked to come next day in the concerned OPD.

In case the distress is not relieved, then patient is asked to come to the casualty of JIPMER as soon as possible. Casualty doctor will guide the patient on mode of transportation, where to report in the casualty of JIPMER, what all formalities to be done at JIPMER. In case of distance being very far from JIPMER then doctor may guide patient to which hospital to go nearby, said Dr Parija.

Those patients who have internet connection available in their mobile, tablet, or computer, can talk to JIPMER Casualty Doctor on duty by using free Skype software. To call JIPMER through Skype Service the ID is "Casualty Desktop Telemedicine JIPMER" or "Casualty Mobile Telemedicine JIPMER". Using this Skype Services patient can see and talk to the Doctor live. Patient can show his or her injuries to the Casualty Doctor to get the advice. JIPMER strictly advises that General Enquiry will not be entertained as this hotline is for emergency purpose only.

The patients who have internet connection on their mobile or computer, can talk to JIPMER Casualty Doctor by using free Skype software

ality Section for patients requiring Emergency Teleconsultations has been strengthened and upgraded with Toll Free Number (800-425-6565). Further one more mobile number 9787757279 and three landline numbers (0413-2271301 / 02 / 03) were launched for public to utilise this service effectively, said JIPMER director Dr S C Parija on Wednesday. A team of Senior and Junior doctor has been given a smartphone to attend any telephone call

INDIAN EXPRESS - 20/2/16

Jipmer joins Trans Eurasia network

Times News Network

Puducherry: Jawaharlal Institute of Postgraduate Medical Education and Research (Jipmer) has begun accessing the Trans Eurasia information network (TEIN) through its telemedicine service facility following a collaboration with Seoul National University Bundang Hospital.

Head of department of surgical gastroenterology Biju Potlatal, and assistant professor of

Telemedicine is the use of telecommunication and IT to provide health care to patients at a distance

the department of surgical oncology Prasanthi Menon, interacted with the SNUBH faculty members using TEIN network during a scientific programme, said a statement from the institute.

Apart from TEIN, Jipmer is a member of Indian Space Research Organization, National Knowledge Network and Asia Pacific Advanced Network, said officer-in-charge of telemedicine services Ravi Kumar Chittoria. The Union health and family welfare ministry has declared Jipmer as the regional resource centre for telemedicine for South India covering the states of Andhra Pradesh, Karnataka, Kerala, Tamil Nadu, Telangana and Puducherry.

TODU - 19/10/15

JIPMER to expand telemedicine network

Infrastructure upgrade includes high speed (1Gbps) internet connectivity and satellite connectivity

STAFF REPORTER

PUDUCHERRY: The Jawaharlal Institute of Postgraduate Medical Education and Research, which has been designated as Regional Resource Centre for telemedicine activities in South India, has announced plans to initiate telemedicine collaborations with various international networks strengthening its healthcare delivery system. These include the Telemedicine Development Center of Asia (TEMDEC), Asia Pacific Advanced Network (APAN) and Trans-Eurasia Information Network (TEIN). The move will enable JIPMER, a tertiary care institute of National Importance, to share knowledge with different countries, said a press release.

Dr. S.C. Parija, Director,

JIPMER, was among selected invitees from major medical institutes from Asia who participated in the 9th Asia Telemedicine Symposium 2015 in South Korea organised by TEDMEC at Chungbuk National University on November 13 and 14. Dr. Kalyanasahi, Assistant Professor of the Department of Surgical Gastroenterology also attended the event. Delegates at the event discussed the effective use of telemedicine during a public health crisis with reference to the Ebola Virus epidemic and Middle East Respiratory Syndrome (MERS) outbreaks that took place recently. The disease outbreaks highlighted the need for closer global cooperation in health care to tackle such crises, said the release.

Dr. Ravi Kumar Chittoria, nodal officer of Telemedicine and



Jipmer looks to strengthen its healthcare delivery system, enabling it to share knowledge with other countries — PHOTO: T. SINGARAVELU

Head of the Department of Plastic Surgery and members of the JIPMER Telemedicine Team Sathesh Kumar, Mohamed Ishaq and National Informatics Centre official from Puducherry R. Rajasekaran, participated remotely from Telemedicine

Centre JIPMER. The RRC at JIPMER caters to more than 160 medical colleges in five South Indian states. Telemedicine infrastructure at JIPMER includes high speed (1Gbps) internet connectivity and satellite connectivity.

Onconet Cancer Project, National Knowledge Network (NKN), National Medical College Network (NMCN) and Medical Virtual Class Room (MVCR) Project, Tele-Ophthalmology Project and ISRO

Telemedicine Project are the telemedicine projects currently on at JIPMER. Telemedicine patient care services at JIPMER include Tele-Emergency, Tele-OPD, Tele-ICU, Tele-Follow up Clinic and Mobile Telemedicine Kiosk Consultations.

Recently, the Union Ministry of Health and Family Welfare and the Indian Space Research Organisation (ISRO) had identified JIPMER as the nodal centre to provide remote health care over the telemedicine platform to pilgrims of the Ayyapp Temple, Sabarimala, Kerala, using space technology.

HINDU - 20/11/15

Jipmer reviews telemedicine facility

A team had a review meeting with the Kerala State Health Ministry officials

SPECIAL CORRESPONDENT

PUDUCHERRY: A team from Jipmer (Jawaharlal Institute of Postgraduate and Medical Education and Research (Jipmer) led by its Director Dr. S. C. Parija, undertook an inspection of telemedicine centre established at Sabarimala and also held a review meeting with the Kerala State Health Ministry officials.

Besides reviewing the Emergency Medical Centres set up in the uphill area and assessing the functioning of emergency services, the team also interacted with the Jipmer telemedicine unit through ISRO tele-connection to ensure the quality of the connectivity.

Jipmer has set up a dedicated Telemedicine unit and teleconference hall in the Pamba hospital using ISRO link to connect to Jipmer Telemedicine unit. 24-hour hotline system

24-hour hotline

A 24-hour hotline intratelecommunication system has been established at various places of uphill to Sannidhanam.

These units are connected with intranet phones and a control room in Pamba hospital operates the entire system.

Under the project funded by the Union Ministry of Health and Family Welfare, 22 Emergency Medical Care Centres (EMC) were set up with 21 lifesaving equipment and trained paramedics posted in each unit.

Emergency medical services boardings have also been erected at prominent places along the hill carrying the hotline numbers and nearby oxygen parlour, 15 emergency technicians with mobile support deployed in the emergency units and 10 stretcher points are in place.

During a test check by the Director, it was found that within a span of 6-8 minutes, stretchers could be brought from nearby cardiology centres to the emergency units.

The emergency medicine network involves four cardiology centres replete with a medical team led by a duty cardiologist.

The Pathanamthitta General Hospital serves as first referral centre for emergencies while the Kottayam Medical



After the review, a team led by Director Dr. S. C. Parija made several recommendations. PHOTO: SPECIAL ARRANGEMENT

College and hospital serves as a tertiary care centre.

Recommendations

Following the field inspection and detailed discussion with officials, Dr. Parija made a set of recommendations which include upgrading the cardiology centre at the Pamba hospital, improving ICU facilities at Sannidhanam and Pamba and establishment of a permanent emergency medi-

cal centre structure throughout the year.

Apart from upgrading the infrastructure of the hospital in the Sannidhanam, Dr. Parija also suggested introduction of specially designed ambulances to navigate the rugged terrain, deploying more trained volunteers in control room and EMCs and tuning up broadband services at these units.

He also wanted awareness

about these services to be raised among the major pilgrim-originating States such as Tamil Nadu, Karnataka and Andhra Pradesh.

The Sabarimala facility is to be linked up with Jipmer National Knowledge Centre Network and periodical teleconferences organised by the nodal agency with state officials and increased adoption of platforms such as Skype in patient care.

HINDU - 22/3/2016

Jipmer launches tele-barrier nursing for ICU patients

Tablets enable interaction between patients and attendants reducing the risk of infections

SPECIAL CORRESPONDENT

PUDUCHERRY: In a move to curb infections, Jipmer has launched 'tele-barrier nursing' service in its Intensive Care Units (ICUs) that will facilitate family members to interact with patients without entering the ICU room and aggravating infection risks to those under intensive care.

Jipmer is the first government hospital in the country to launch 'Tele-Barrier Nursing in ICUs', Dr. S.C. Parija, Director Jipmer, said.

While introducing the facility, he pointed out that infection in ICUs in Government Hospitals was a common problem due to frequent visits of attendants and relatives of patients in ICUs.

The tele-barrier nursing concept was launched to address this problem while at the same time allowing the bystander to interact with a patient without physically entering the ICU and posing an infection risk.

As part of providing this service, Jipmer has kept a tab-



A first for government hospitals, Jipmer introduces a system to help family members interact with patients in the ICU without entering the room.— PHOTO: SPECIAL ARRANGEMENT

let (computer fitted with camera, microphone and speaker) outside the ICU and another tablet is given to the patient inside the ICU. Both patient and bystander can engage in a real-time interaction. The service is provided free to the bystanders of pa-

tients of ICUs.

Deputy Director Dr. Ashok Badhe, Dr. Balachander, Medical Superintendent, Dr. Mahadevan, Dean (Academics), Dr. Anita Rustagi, Officer In-Charge of HIS and Dr. Ravi Kumar Chittoria, Officer In-Charge of Telemedicine par-

ticipated.

In fact, a similar service was successfully tried out for Burn patients at Jipmer's Tertiary Burn Centre and has now been extended to ICUs in the super specialty block.

Dr. Parija stated that in the second phase the service will be provided to other blocks of Jipmer like 'Women and Children Hospital (WCH) including Labour Room, Regional Cancer Centre (RCC) and Trauma Centre.

"In the near future, through the same service an attendant will be allowed to interact with the patient even from their house from any part of the country or world," he added.

Jipmer has also prepared 'Telemedicine Consent Form' and 'Standard Operating Procedure (SOP)' as per the guidelines of Ministry of Health and Family Welfare (MoH&FW), Government of India, to provide privacy to patients and avoid legal issues. National Knowledge Network (NKN) Connectivity is used for this purpose.

INDIAN EXPRESS - 21/3/2016

JIPMER Introduces Videoconferencing for ICU Patients to Interact With Relatives

by Debjani Dutta

Puducherry: Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER) introduced a video-conferencing facility to enable patients in Intensive Care Units (ICU) to interact with relatives. The facility was launched in the Superspeciality block of the Hospital by JIPMER Director Dr Subhash Chandra Parija on Saturday.

Since ICU patients are sus-

ceptible to infection, relatives are restricted from entering the ICU. However, as relatives are anxious to see how the patients are doing, a link between the patient and the relatives has been established through tablet computers provided to both patients and relatives through which they can interact with each other for a few minutes said Dr Parija.

The relatives of each patient will be given a time slot during which time they will

be provided with a tablet. The nursing staff in the ICU will hold the tablet for the ICU patient and enable the audio-visual link between the patient and the relatives, Parija said. If the patient is unable to talk, the relatives can at least see the patient and vice versa.

Dr Ravi Chitoria, Head, Department of Plastic Surgery, said that around 40 tablet computers, routers and broadband internet connection were acquired for the purpose. At present the facility has been provided in seven to nine ICUs comprising 12 to 15 beds in the Departments of Nephrology,

diseases, Gastroenterology, Plastic Surgery and others in the Superspeciality block, said Dr Parija.

Kidney transplant patients, cardiac surgery patients, stroke patients, gastro-intestinal surgery patients, burns patients, trauma patients and others in the ICU can feel comforted talking with their relatives from a waiting room outside the ICU.

This facility will be extended to the Women and Child Hospital in JIPMER by month end to facilitate relatives to see the patient and her new born baby through tablet computers, said Dr

Dr Ravi Chitoria, Head of Plastic Surgery, said 40 tablet computers, routers and broadband internet connection were

HINDU - 19/11/16 - Td

Top med institutions to use telemedicine for better healthcare

Times News Network

Puducherry: The heads of important medical institutions in Asia discussed in length on using telemedicine facilities to address public health issues effectively at the 9th Asia Telemedicine Symposium hosted by Telemedicine Development Centre of Asia (Tmedca), Kyushu University, Japan at Chungbuk National University in South Korea.

The two-day symposium assumed greater significance following the outbreak of two major deadly epidemic - Ebola virus and Middle East Respiratory Syndrome (Mers) that claimed numerous lives in the recent past. The outbreak stressed the need for global cooperation in healthcare. The symposium concluded that telemedicine is the effective tool to achieve global network and to tackle public health issues.

Jawahar Institute of Postgraduate Medical Education and Research (Jipmer) was invited to participate in the symposium by Tmedca director Shoji Shimizu appreciating its impressive

track record in telemedicine activities. Jipmer director S C Parjia and assistant professor (surgical gastroenterology) Kalyanasun attended the symposium while head (plastic surgery) and nodal officer (telemedicine) Ravi Kumar Chittoria and two other staff members and a National Informatics centre official participated remotely from telemedicine centre in Jipmer.

Jipmer mooted a proposal collaborating with various international telemedicine networks including Tmedca, Asia Pacific Advanced Network (Apan) and Trans Eurasia Information Network (Tein) to share knowledge with most of the countries in the world and strengthen the healthcare delivery system in the country. Jipmer, a tertiary care institute of national importance under the Union health and family welfare ministry, was designated as the regional resource centre for telemedicine activities in south India. The centre caters to more than 100 medical colleges in five south Indian states.

HINDU - 7/1/16

Jipmer creates hotlines for emergency services

STAFF REPORTER

PUDUCHERRY: The Jipmer has launched a toll-free number for emergency services.

The line 1800-425-6565 is aimed at as an improvement to the 'Dial-Jipmer' telemedicine emergency service for tele-consultations which had been launched in November by Jipmer Director Dr. S.C. Parjia.

Further, a mobile number 9787757279 and three landline numbers (0413-3271301/3271302/3271303) are launched for public to utilise this service effectively.

A team of senior and junior doctor would be given a Smartphone to attend to any call from a patient requiring emergency consultation.

The doctor on duty will guide the patient telephonically for immediate first aid possible to relieve the distress of the patient. If patient's distress is relieved, then the patient may be asked to come the following day in the concerned outpatient department as advised by the casualty doctor.

In case of no relief, the patient will be asked to come to the casualty of Jipmer at the earliest, where the duty doctor

Announces toll-free, phone numbers and Skype ID for the service

would guide the patient on the mode of transportation, where to report in the casualty of Jipmer, the formalities to be completed and whether old records to be brought or not. In case of distance being very far from Jipmer casualty then casualty doctor may guide patient to another hospital closest to the patient.

Skype call

Patients with an internet connection on their handphone, tablet, laptop or desktop, can also talk to Jipmer casualty doctor on-duty over Skype. The Jipmer Skype ids are 'Casualty Desktop Telemedicine JIPMER' and 'Casualty Mobile Telemedicine JIPMER'. Using this Skype service, patient can see the Jipmer doctor and talk to them. Patient can even show his/her injuries to the casualty doctor to get the advice. Jipmer strictly advises that general enquiry will not be entertained as this will be a hotline for emergency purposes only.

EXP - 18/2/16

JIPMER Now A Part of TEIN Network

Express News Service

Puducherry: As a result of the collaboration entered with Seoul National University Bundang Hospital (SNUBH), South Korea, JIPMER has begun using Trans-Eurasia Information Network (TEIN).

"To begin with, on February 15, the personnel of JIPMER interacted over video-conferencing using TEIN network with SNUBH. JIPMER thus became the first centre from India to use the TEIN network", said JIPMER director Dr S C Parjia.

To mark the occasion, a scientific programme was organised and initiated by the department of Surgical Gastroenterology. It was attended by its head, Dr Biju Pottakat, department of Surgical Oncology's Dr Prasanth Menamada, faculty members and resident doctors.

Delivering his address, Dr Parjia said the Telemedicine services of JIPMER were recognised by the ministry of health and family welfare and that JIPMER has been declared as a Regional Resource Centre for Telemedicine for Andhra Pradesh, Karnataka, Kerala, Tamil Nadu, Telangana and Puducherry. In a release on Wednesday, Dr Parjia informed that JIPMER can interact and share knowledge with European and Asian countries now that it is a member of TEIN Network.

The TEIN uses information technology to increase regional cooperation with Asian countries. It connects universities and research institutions with high capacity Internet network to increase exchange of knowledge and helps international research projects.

HINDU - 18/2/16

Jipmer's telemedicine network goes global

SPECIAL CORRESPONDENT

PUDUCHERRY: Using telemedicine, Jipmer can now interact and share knowledge with European and Asian medical institutions over the Trans-Eurasia Information Network (TEIN).

Officer In-Charge of Tele-

medicine, Dr Ravi Kumar Chittoria, said Jipmer had now become a member of TEIN. Seoul National University Bundang Hospital (SNUBH), South Korea, became the first centre with which Jipmer conducted an interaction over Video Conferencing using TEIN.

This follows a visit by Jipmer Director Dr S C Parjia to Korea in November 2015 where the institute initiated collaboration with the SNUBH. The first telemedicine session featured a scientific programme hosted by the Department of Surgical Gastroenterology.

Sl. No	Statistics of Telemedicine Services (2015-16)	Total Number
1	Telemedicine Clinic Tele-Consultations	4412
2	Live Telecast of Health Education Programme	20
3	Live Telecast of Scientific Sessions between JIPMER & 160 Medical Colleges of South India and AIIMS Raipur/Jodhpur, Dr. RML Hospital New Delhi & Gangaram Hospital New Delhi.	64
4	Videoconferencing Sessions with MoH&FW, Nirman Bhavan, New Delhi	10
5	Videoconferencing Teaching Sessions with SGPGI Lucknow	40
6	Videoconferencing Sessions with ISRO Officials	12
7	Videoconferencing Sessions with Sabarimala Officials	18
8	Telephonic (Toll-Free) Emergency Consultations given for Public using Dial JIPMER Service Centre in JIPMER	756
9	Emergency Tele-Videoconferencing Based Consultations for Public using Casualty Telemedicine Centre	156
10	Videoconferencing Sessions between JIPMER & Kuysu University, Japan	7
11	Tele-OPD Consultations	448
12	Tele-Barrier Nursing cum Tele-Patient-Attendant Interaction Sessions in ICU	310
13	Tele-Ward Round Consultations	1820
14	Tele-ICU Consultations	1660
15	Tele-Monitoring of ICU Patients	2904
16	Tele-Surgery Consultations	2092
17	Tele-Emergency Consultations	2496
18	Head Mounted Video Camera Based Tele-Monitoring & Recording of Surgeries	96
19	Spectacle Mounted Video Camera Based Tele-Monitoring & Recording of Surgeries	104
20	3-D Google Card Board Based Tele-Consultations	34
21	Mobile Telemedicine Console Based Consultations	304
22	Mobile Telemedicine Tele-Ophthalmology Consultations	1206

23	Tele-Health Camp Consultations	220
24	Online Tele-Lecture being delivered from JIPMER	12
25	Medical Virtual Class Room (MVCR) Sessions	62
26	m-Health Consultations	229
27	Tele-Patient-Attendant Interaction Sessions in Burn Ward	5800
28	Massive Open Online Course (MOOC) Sessions between JIPMER and Other Centre	5