

# **NMCN PROJECT ACTIVITY REPORT**

**(April 2019 – March 2020)**

**RRC JIPMER PONDICHERRY**

## **Nodal Officer Telemedicine**

Prof Dr Ravi Kumar Chittoria

## **Telemedicine Infrastructure & Network Administrator (Telemedicine)**

Mr Mohamed Ishaq Z

(Under NMCN Project of MoH&FW)

## **Content Developer**

Ms. Kavitha

(Under NMCN Project of ERNET M/s Yash Technologies)

## **Audio Visual Technician**

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## **Departmental Highlights**

JIPMER has been designated by Ministry of Health & Family Welfare(MOHFW), Govt. of India as Regional Resource Centre (RRC) for Telemedicine for 6 States of South India (Andhra Pradesh, Karnataka, Kerala, Tamil Nadu, Telengana & Pondicherry) for connecting JIPMER with >160 Medical Colleges of South India & other parts of India (Mizoram, AIIMS Raipur, Jodhpur, Bhopal, RML Hospital Delhi, Safdarjung Hospital Delhi, Gangaram Hospital Delhi etc) and Overseas (Bhutan, Bangladesh, Myanmar, Srilanka, Nepal, Thailand, UK, USA, Australia, Japan, Korea, Morocco, etc.) and include various Telemedicine services like Telemedicine Clinic, Medical Virtual Class Room, Tele-Dial Service, Tele-Patient-Attendant Interaction (Barrier Nursing) Service, Tele-OPD, Tele-Ward, Tele-OT, Tele-Emergency, Tele-Monitoring, Tele-Recording, Tele-Mentoring, Tele-Health Camps, Tele-Evidence, Tele-Radiology, Tele-Disaster Service, Live Telecast, Tele-Videoconferencing, Virtual Tumor Board, Campus Digitalization, e-learning Centre, Digital Library, Thesis Digitalization, Tele-Sabarimala Project, Tele-Onconet Project, NMCN Project, Tele-Ophthalmology Project, NKN Project, ISRO Project, e-Class Room (Digital Medical Lecture Theatre) using National Knowledge Network (NKN), BIMSTEC Network and Satellite Connectivity.

**Statistics of Telemedicine Services (April 2019 - March 2020)**

<b>Sl. No</b>	<b>Telemedicine Activities</b>	<b>Total Number</b>
1	Telemedicine Clinic Consultations	6560
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.	22
4	Videoconferencing Sessions with MoH&FW, Nirman Bhavan, New Delhi	4
5	Videoconferencing Teaching Sessions with SGPGI Lucknow	32
6	Videoconferencing Sessions with ISRO Officials	2
7	Videoconferencing Sessions with Sabarimala Officials	1
8	Dial JIPMER (24X7) Emergency Tele-Consultations.	2156
9	Videoconferencing Sessions between JIPMER & Kyushu University, Japan	6
10	Tele-OPD Consultations	12
11	Tele-Barrier Nursing and Tele-Patient-Attendant Interaction Service in ICUs & Burn Centre.	640
12	Tele-Ward Consultations	841
13	Tele-ICU Consultations	1254
14	Tele-Monitoring of ICU Patients	1634
15	Tele-Surgery Consultations	875
16	Tele-Emergency Consultations	1165
17	Tele-Evidence Sessions	1745
18	Head Mounted Video Camera Based Tele-Monitoring & Recording of Surgeries	72
19	Spectacle Mounted Video Camera Based Tele-Monitoring & Recording of Surgeries	122
20	3-D Google Card Board Based Tele-Planning	12

21	Mobile Telemedicine Console Based Tele-Consultations	650
22	Tele-Health Camp Consultations	21
23	Online Lecture from JIPMER to other centres	45
24	Online sharing of Classes between JIPMER Pondicherry and JIPMER Karaikal in Medical Virtual Class Room (MVCR)/ e-Classroom (Hunter Theatre)	199
25	m-Health Tele-Consultations	45
26	ISRO Tele-CME Sessions	4
27	Tele-Radiology Consultations (CollabDDS)	6
28	Live Telecast and Video Conferencing Sessions between JIPMER and BIMSTEC Countries	6
29	Online Sharing of Lectures between JIPMER and Andhra Medical College, AP/Siddhartha Medical College, Vishakapatnam, AP/Gandhi Medical College, Secundrabad, AP/Madurai Medical College, Madurai, TN/Madras Medical College, Chennai, TN in e-Classroom (Pasteur Theatre)	60
30	Medical Drone based Tele-Monitoring ICU Patients	2
31	Tele-Consultations between JIPMER Pondicherry and General Hospital (GH), Yanam	9
32	Online Based Tele-Interview for Faculty Selection	2
33	Live Telecast of UG/PG JIPMER Convocation Programme twice in a year	2
34	Live Telecast of UG/PG JIPMER Counseling Session	7
35	Coordination of Online Webinars (Zoom) for UG Students during Covid-19 Pandemic period.	60
36	Organized Video Conferencing Session between JIPMER and Port Blair Hospital, Port Blair.	2

## Telemedicine Activities

Following Telemedicine Sessions (Video Conferencing / Live Telecast) were organized

1. Video Conference Session on 'Research Methodology Course' held on 30<sup>th</sup> June 2019 in TV Studio, JIPMER.
2. Video Conference Tele-Consultation Session between JIPMER and General Hospital (GH), Yanam held on 22<sup>nd</sup> July 2019.



3. Video Conference e-Classroom Session between JIPMER Puducherry and JIPMER Karaikal held on 22<sup>nd</sup> July 2019 in Pasture Theatre, JIPMER.



4. Video Conference e-Classroom Session between JIPMER Puducherry and JIPMER Karaikal held on 23<sup>rd</sup> July 2019 in Pasture Theatre, JIPMER.



5. Video Conference ‘APAN-49’ Session between JIPMER and TEMDEC, Kyushu University, Japan held on 23<sup>rd</sup> July 2019 in TV Studio, JIPMER.



6. Live Telecast of Second Counselling for MBBS July Session held on 24<sup>th</sup> July 2019 in Mini Auditorium, JAC.



7. Video Conference APAN-49 Meeting between JIPMER and TEMDEC, Kyushu University, Japan held on 25<sup>th</sup> July 2019 in Telemedicine Centre, SS Block, JIPMER.



8. Video Conference e-Classroom Session between JIPMER Puducherry and JIPMER Karaikal held on 26<sup>th</sup> July 2019 in Pasture Theatre, JIPMER.



9. Live Telecast of Hands-on-Training & Workshop on 'Lasers, Antiaging & Regenerative Medicine' held on 26<sup>th</sup> July 2019 in Telemedicine Centre, SS Block, JIPMER.



10. Video Conference e-Classroom Session between JIPMER Puducherry and JIPMER Karaikal held on 27<sup>th</sup> July 2019 in Pasture Theatre, JIPMER.



11. Video Conference e-Classroom Session between JIPMER Puducherry and JIPMER Karaikal held on 31<sup>st</sup> July 2019 in Pasture Theatre, JIPMER.



12. Video Conference Tele-Consultation Session between JIPMER and GH Yanam held on 1<sup>st</sup> August 2019.



13. Live Telecast of Hands-on-Training & Workshop on 'Application of Tissue Adhesives in Plastic Surgery' held on 1<sup>st</sup> August 2019 in Telemedicine Centre, SS Block, JIPMER.



14. Video Conference CGR Session held on 3<sup>rd</sup> August 2019 in Telemedicine Centre, SS Block, JIPMER.



15. Video Conference e-Classroom Session between JIPMER Puducherry and JIPMER Karaikal held on 3<sup>rd</sup> August 2019 in Pasture Theatre, JIPMER.



16. Video Conference e-Classroom Session between JIPMER Puducherry and JIPMER Karaikal held on 5<sup>th</sup> August 2019 in Pasture Theatre, JIPMER.





17. Video Conference e-Classroom Session between JIPMER Puducherry and JIPMER Karaikal held on 6<sup>th</sup> August 2019 in Pasture Theatre, JIPMER.



18. Video Conference CME Session on ‘Burn Awareness Program’ between JIPMER and Guwahati Medical College and Hospital, Guwahati held on 7<sup>th</sup> August 2019.

19. Video Conference Session on ‘Breast Feeding is not a Choice but it is a Responsibility’ between JIPMER and Government Medical College and Hospital, Aurangabad held on 7<sup>th</sup> August 2019.

20. Video Conference Session on Health & Wellness Centre (HWCs) between JIPMER and MOHFW, New Delhi held on 7<sup>th</sup> August 2019.



21. Video Conference e-Classroom Session between JIPMER Puducherry and JIPMER Karaikal held on 9<sup>th</sup> August 2019 in Pasture Theatre, JIPMER.



22. Video Conference e-Classroom Session between JIPMER Puducherry and JIPMER Karaikal held on 9<sup>th</sup> August 2019 in Pasture Theatre, JIPMER.



23. Video Conference CGR CTVS Session held on 10<sup>th</sup> August 2019 in Telemedicine Centre, SS Block, JIPMER.



24. Video Conference e-Classroom Session between JIPMER Puducherry and JIPMER Karaikal held on 10<sup>th</sup> August 2019 in Pasture Theatre, JIPMER.



25. Video Conference e-Classroom Session between JIPMER Puducherry and JIPMER Karaikal held on 13<sup>th</sup> August 2019 in Pasture Theatre, JIPMER.



26. Video Conference e-Classroom Session between JIPMER Puducherry and JIPMER Karaikal held on 14<sup>th</sup> August 2019 in Pasture Theatre, JIPMER.



27. Video Conference e-Classroom Session between JIPMER Puducherry and JIPMER Karaikal held on 16<sup>th</sup> August 2019 in Pasture Theatre, JIPMER.



28. Video Conference CME Session on '1<sup>st</sup> SGPGIMS Oculo-Facial Aesthetics Course' between JIPMER and SGPGI, Lucknow held on 17<sup>th</sup> August 2019.



29. Live Telecast of 'Cleft India Parent Association (CIPA)' Programme held on 18<sup>th</sup> August 2019 in SSB Conference Hall, JIPMER.



30. Video Conference Tele-Consultation between JIPMER and General Hospital, Yanam held on 20<sup>th</sup> August 2019 in Telemedicine Centre, SS Block, JIPMER.



31. Video Conference Session on 'Substance Use Disorders – Alcohol, Benzodiazepines & Tobacco' held on 21<sup>st</sup> August 2019 in JIPMER.



32. Video Conference Tele-Consultation between JIPMER and General Hospital, Yanam held on 21<sup>th</sup> August 2019 in Telemedicine Centre, SS Block, JIPMER.



33. Video Conference Cardiology Session between JIPMER and CMC, Vellore held on 22<sup>nd</sup> August 2019 in Telemedicine Centre, SS Block, JIPMER.



34. Live Telecast of '10<sup>th</sup> Annual Convocation' Programme held on 25<sup>th</sup> August 2019 in Dr APJ Abdul Kalam JIPMER Auditorium, JIPMER.



35. Video Conference e-Classroom Session between JIPMER Puducherry and JIPMER Karaikal held on 27<sup>th</sup> August 2019 in Pasture Theatre, JIPMER.



36. Video Conference Meeting between Director JIPMER and District Collector, Karaikal held on 27<sup>th</sup> August 2019 in Board Room, Admin Block, JIPMER.



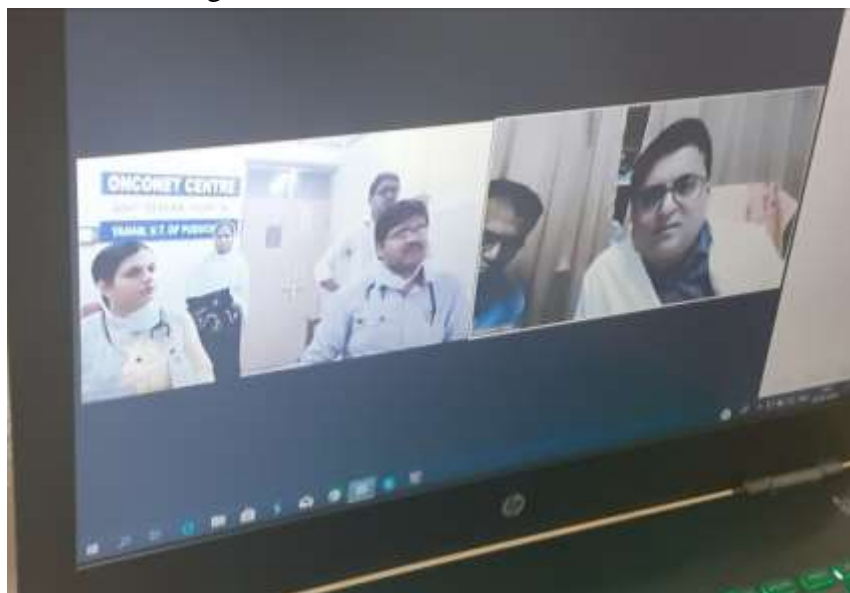
37. Live Telecast of Final Counseling for MD/MS Course July 2019 Session held on 27<sup>th</sup> August 2019 in Mini Auditorium, JAC Block, JIPMER.



38. Video Conference Session on 'NPS Performance Review' Meeting held on 28<sup>th</sup> August 2019.



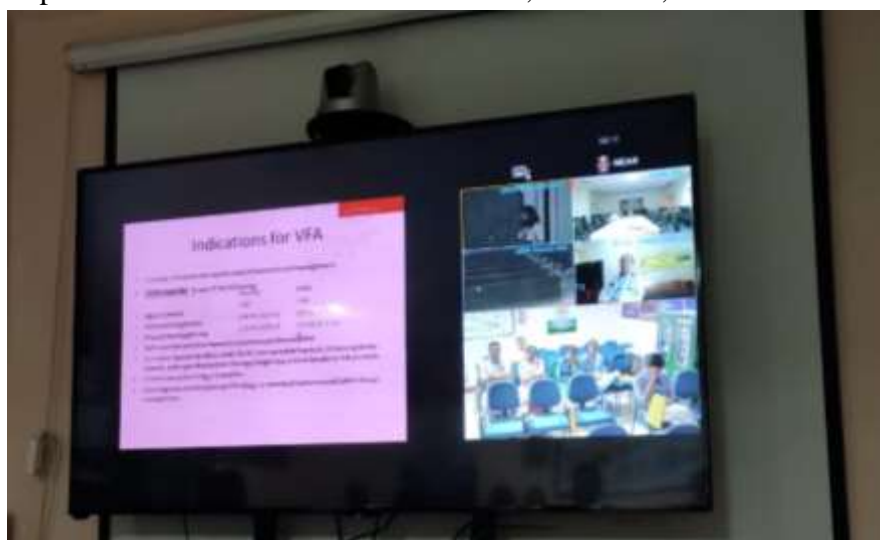
39. Video Conference Tele-Consultation CTVS Session between JIPMER and GH Yanam held on 28<sup>th</sup> August 2019.



40. Video Conference Meeting between Director, JIPMER and ICMR, Delhi held on 30<sup>th</sup> August 2019 in Board Room, Admin Block, JIPMER.



41. Video Conference CGR Session between JIPMER and SGPGIMS, Lucknow held on 7<sup>th</sup> September 2019 in Telemedicine Centre, SS Block, JIPMER.





42. Video Conference Tele-Gastroenterology GI Surgery Session between JIPMER and Asian Institute of Gastroenterology (AIG), Hyderabad held on 9<sup>th</sup> September 2019 in Telemedicine Centre, SS Block, JIPMER.



43. Video Conference CME Session on 'Medical Writing Workshop' held on 13<sup>th</sup> September 2019 in SSB Conference Hall, JIPMER.



44. Video Conference e-Classroom Session between JIPMER Puducherry and JIPMER Karaikal held on 13<sup>th</sup> September 2019 in Pasture Theatre, JIPMER.



45. Video Conference e-Classroom Session between JIPMER Puducherry and JIPMER Karaikal held on 14<sup>th</sup> September 2019 in Pasture Theatre, JIPMER.



46. Video Conference Session of 'National Workshop on Biostatistical & Clinical Research Methods' between JIPMER and SRM Medical College, Chennai held on 14<sup>th</sup> September 2019 in Telemedicine Centre, SS Block, JIPMER.



47. Video Conference Tele-Gastroenterology GI Surgery Session between JIPMER and Asian Institute of Gastroenterology (AIG), Hyderabad held on 16<sup>th</sup> September 2019 in Telemedicine Centre, SS Block, JIPMER.



48. Video Conference e-Classroom Session between JIPMER Puducherry and JIPMER Karaikal held on 16<sup>th</sup> September 2019 in Pasture Theatre, JIPMER.



49. Video Conference Tele-Evidence Session between JIPMER and Kurukshetra, Haryana held on 16<sup>th</sup> September 2019.

50. Video Conference Session on ‘ROS1 testing and targeting in NSCLC’ between JIPMER and Taiwan held on 20<sup>th</sup> September 2019.

51. Video Conference Tele-Consultation Session between JIPMER and GH Yanam held on 20<sup>th</sup> September 2019 in Telemedicine Centre, SS Block, JIPMER.



52. Video Conference Tele-Evidence Session between JIPMER and Kurukshetra, Haryana held on 21<sup>st</sup> September 2019.

53. Video Conference e-Classroom Session between JIPMER Puducherry and JIPMER Karaikal held on 21<sup>st</sup> September 2019 in Pasture Theatre, JIPMER.



54. Video Conference Tele-Consultation Session between JIPMER and GH Yanam held on 17<sup>th</sup> October 2019 in Telemedicine Centre, SS Block, JIPMER.



55. Live Telecast of 'Hands-on Training & Workshop' on 'Limited Access Dressing (LAD), Suction Assisted Dressing (SAD) & Lipido Colloid Dressing (LCD)' held on 21<sup>st</sup> October 2019 in Telemedicine Centre, SS Block, JIPMER.



56. Video Conference Tele-Evidence Session between JIPMER and Kurukshetra, Haryana held on 30<sup>th</sup> October 2019 in Telemedicine Centre, SS Block, JIPMER.



57. Video Conference Tele-Evidence Session between JIPMER and Kurukshetra, Haryana held on 2<sup>nd</sup> November 2019 in Telemedicine Centre, SS Block, JIPMER.



58. Live Telecast of ‘Smile Torch Programme’ organized by Department of Plastic Surgery, JIPMER held on 3<sup>rd</sup> November 2019 in Beach Road, Puducherry.



59. Live Telecast of JIPMER Scientific Society (JSS) Alumni Oration 2019-20 held on 14<sup>th</sup> November 2019 in Mini Auditorium, JIPMER Academic Centre (JAC), JIPMER.



60. Video Conference Online Meeting with Stake holders of NMCN held on 15<sup>th</sup> November 2019 between JIPMER and SGPGI, Lucknow.



61. Video Conference Online Meeting with Director (eHealth) at BJ Medical College, Ahmedabad held on 19<sup>th</sup> November 2019.

62. Video Conference e-Classroom Session between JIPMER Puducherry and JIPMER Karaikal held on 20<sup>th</sup> November 2019 in Mini Auditorium, JAC Block, JIPMER.



63. Live Telecast of JIPMER Scientific Society (JSS) Guest Lecture held on 22<sup>nd</sup> November 2019 in SSB Conference Hall, JIPMER.



64. Video Conference Meeting for NIC e-Office Project between JIPMER and NIC, Delhi held on 5<sup>th</sup> December 2019.



65. Video Conference Online Faculty Interview meeting between JIPMER and IIT, Tiruchirappalli held on 12<sup>th</sup> December 2019 in Telemedicine Centre, SS Block, JIPMER.

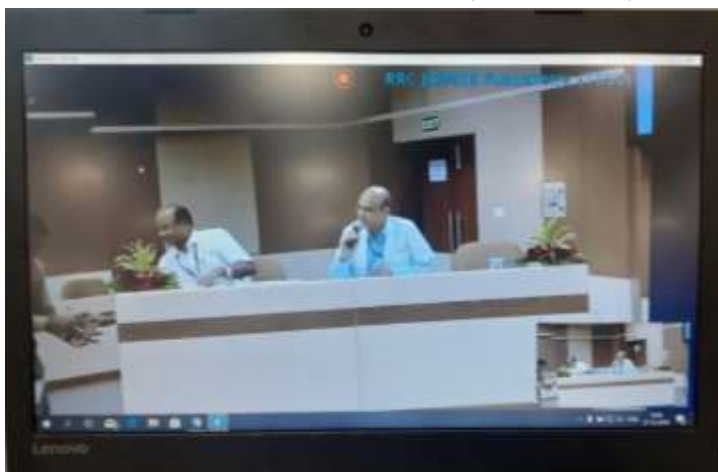


66. Video Conference Session on 'Sutures on Surgeries' between JIPMER and AMCH, Vishakapatnam, Andhra Pradesh held on 20<sup>th</sup> December 2019.

67. Video Conference Meeting for C-DAC Officials between JIPMER and C-DAC, Noida held on 27<sup>th</sup> December 2019.



68. Live Telecast of First Counselling January 2020 Session for MD/MS held on 27<sup>th</sup> December 2019 in Mini Auditorium, JAC Block, JIPMER.



69. Video Conference Tele-Consultation between JIPMER and GH, Yanam held on 2<sup>nd</sup> January 2020 in Telemedicine Centre, SS Block, JIPMER.





70. Video Conference Tele-Consultation between JIPMER and GH, Yanam held on 13<sup>th</sup> January 2020 in Telemedicine Centre, SS Block, JIPMER.



71. Video Conference Online CME Gastroenterology Session between AIIMS, Delhi, CMC, Vellore and JIPMER held on 19<sup>th</sup> January 2020 in Telemedicine Centre, SS Block, JIPMER.



72. Live Telecast of JIPMER Scientific Society (JSS) Guest Lecture held on 23<sup>rd</sup> January 2020 in SSB Conference Hall, JIPMER.



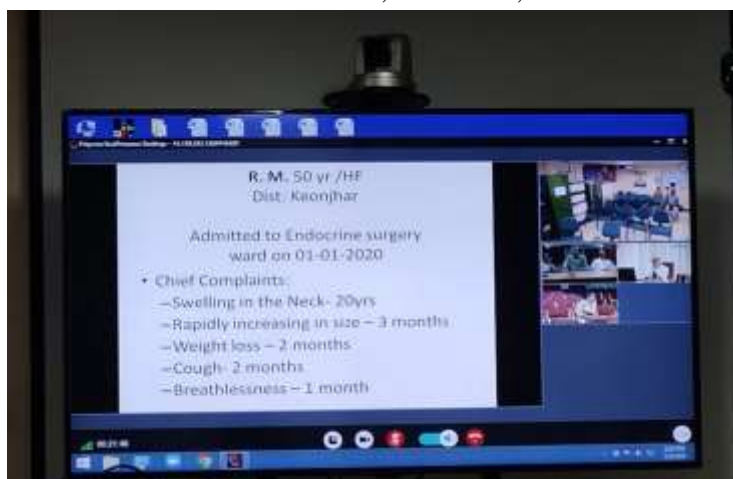
73. Video Conference Session on ‘Maternal Death Audit Meeting’ between JIPMER and National Health Mission, Chennai held on 24<sup>th</sup> January 2020 in Telemedicine Centre, SS Block, JIPMER.



74. Video Conference Session Credo Lacture between JIPMER and Tata Memorial Hospital, Mumbai held on 25<sup>th</sup> January 2020 in TV Studio, JAC Block, JIPMER.



75. Video Conference Session between JIPMER and SGPGI, Lucknow held on 4<sup>th</sup> February 2020 in Telemedicine Centre, SS Block, JIPMER.



76. Video Conference Session on ‘GI Surgery’ held on 10<sup>th</sup> February 2020 in Telemedicine Centre, SS Block, JIPMER.



77. Video Conference Tele-Consultation Session between JIPMER and GH, Yanam held on 2<sup>nd</sup> March 2020 in Telemedicine Centre, SS Block, JIPMER.



### **Faculty conference participation**

#### **Prof Dr Ravi Kumar Chittoria:**

1. Delivered Online Video Conference Lecture on ‘National Workshop on eLearning’ held on 19<sup>th</sup> & 20<sup>th</sup> August 2019 in SGPGI, Lucknow.
2. Delivered a Lecture on ‘The Role and Application of Telemedicine’ in Mahatma Gandhi Medical College, Cuddalore on 31<sup>st</sup> January 2019.

### **Participation in health camps/ public health awareness/ education programme**

1. Prof Dr Ravi Kumar Chittoria participated remotely (online) in Tele-Health Camps held in Karaikal in the month of April 2019 and Teleconsultation given for 4 patients.
2. Prof Dr Ravi Kumar Chittoria participated remotely (online) in Tele-Health Camps held in Karaikal in the month of June 2019 and Teleconsultation given for 5 patients.
3. Prof Dr Ravi Kumar Chittoria participated remotely (online) in Tele-Health Camps held in Karaikal in the month of August 2019 and Teleconsultation given for 3 patients.
4. Prof Dr Ravi Kumar Chittoria participated remotely (online) in Tele-Health Camps held in Karaikal in the month of October 2019 and Teleconsultation given for 2 patients.
5. Prof Dr Ravi Kumar Chittoria participated remotely (online) in Tele-Health Camps held in Karaikal in the month of December 2019 and Teleconsultation given for 4 patients.
6. Prof Dr Ravi Kumar Chittoria participated remotely (online) in Tele-Health Camps held in Karaikal in the month of February 2020 and Teleconsultation given for 3 patients.

### **Publications**

1. Role of Sound Enhancer Device in Teleconsultation. CTPOJ 2019; 1(1): 31-33.
2. Innovative Application of Drone in Monitoring the ICU Patients Avoiding Personal Visits. JCAS 2019; 12(2): 149-151.
3. The Digital Stethoscope in Telemedicine – A Health Camp Study. CTPOJ 2020; 1(1): 46-49.
4. Live Telecast of Scientific Sessions: JIPMER Experience. NIJS 2019; 10(2): 234-237.
5. Application of Tele-Health Camp in Plastic Surgery. NIJS 2019; 10(2): 242-244.
6. Innovative Application of Selfie Stick With A Tripod For Smart Phone Based Video Conference In Telemedicine. Journal of Plastic Surgery and Transplantation (JPST) 2019; 1(2): 71-73.

### **Visiting Professor**

1. Invited Dr S Vinod Scaria and Sridhar Sivasubbu, Senior Scientists from IGIB, New Delhi visited on 17<sup>th</sup> & 18<sup>th</sup> July 2019.
2. Invited Dr Barry G Rigby, Director, Asia Pacific Sales, Singapore visited on 26<sup>th</sup> July 2019.
3. Invited Shri Usha Mangalgi, AGM, BECIL visited on 4<sup>th</sup> October 2019.

4. Invited Shri P.T. Rudra Goud, Director of School Education, Government of Puducherry visited on 5<sup>th</sup> November 2019.
5. Invited Dr. V. K. Paul, Member of NITI Aayog visited on 24<sup>th</sup> August 2019.
6. Invited ISRO Officials to visit JIPMER on 26<sup>th</sup> September 2019.

### **New services started**

1. Started Webinar Online Teaching for all UG Courses including MBBS/BSc (Nursing)/BSc (Allied Health Sciences) / BASLP and PG Courses including MD/MS/DM/MCh/PDF on 23rd March 2020.



2. Started Tele-Consultation between JIPMER and GB Pant Hospital, Port Blair on 25<sup>th</sup> March 2020.
3. Started Online CME Sessions including JIPMER Scientific Sessions (JSS) Programme on 27<sup>th</sup> March 2020.
4. Started Online Webinars (Zoom) for UG Students during Covid-19 Pandemic period.
5. Procured New Mobile IP Camera and Started utilizing for Online Monitoring/ Interaction with Nurse/Residents/Patients of ICU and Plastic Surgery Ward and also for Tele-Distribution of Medicines/Drugs in Plastic Surgery Ward.

6. Started Telemedicine Video Conferencing Service (Tele-Consultation for Department of Cardiology and Neurology) between JIPMER and General Hospital Yanam for period of 10 months on every second Saturday of every month from March 2020 to December 2020.