

List of training/capacity building programmes conducted during last 5 years

Sr.No	Name of training /capacity building Program	Year/Date
1.	Workshop on Pandit Deendayal Upadhyay Rajya Karamchari Chikitsa Yojana	2022-2023 June 2023
2.	Communication in hospital: sensitising healthcare professional	2022-2023 4 th June 2023
3.	1 st refresher course for Comprehensive cardiac nursing care for capacity building and continued medical education	2022-2023 March 2023
4.	Pin up ceremony /orientation program College of medical technology and Allied Health Sciences	2022-2023 12 January 2023
5.	Communication Skills in Healthcare	2021-2022 14 th February 2022
6.	CME on COVID 19	2021-2022 March 2022
7.	Biosafety training Workshop	2021-2022 14-15 March 2022
8.	Longitudinal Inservice Training Program at Apex Trauma Centre	2021-2022 16 February 2022
9.	Fundamental critical care support (FCCS) Provider and Instructor course 7 th Edition	2021-2022 23-24 April 2022
10.	Pediatric COVID 19 Capacity building program	2021-2022 June 2021-October 2021
11.	Telemedicine consultation in Oncology	2020-2021 During whole of COVID 19 Pandemic
12.	Telemedicine outreach program-Electronic COVID care support eCCS/eOPD	2020-2021

		During whole of COVID 19 Pandemic
13.	Capacity building program for COVID-19	2020-2021 7 programs in year 2020-2021
14.	ECHO program for COVID-19 (Daily evening discussion in COVID 19 pandemic)	2020-2021 Year 2020 -11 modules were completed
15.	BMW workshop	2020-2021 5 th December 2020
16.	Medical Ethics Program in SGPGIMS	2020-2021 12 September 2020
17.	Medical Ethics Program, SGPGI	2020-2021 26 June 2021
18.	Basic Neonatal Ventilation Workshop	2018-2019 17 February 2019
19.	State CME on Antimicrobial Stewardship	2018-2019 9 March 2019
20.	Sample Size Estimation: Concept and Application in Health Research	2018-2019 12-15 September 2018
21.	Clinical skill update on Physiotherapy techniques	2018-2019 27 Oct 2018
22.	5 th Advanced course in renal nutrition and metabolism	2018-2019 20-21 st April 2019
23.	CPAP workshop	2018-2019 7 th April 2019
24.	Endocrine surgery skill cyber workshop	2018-2019



		3-7 th September 2018
25.	Workshop on Safe Injection Practices	2018-2019 20 th September 2018
26.	Abhilasha enriching soft skills	2018-2019 24 November 2018
27.	Nanotechnology in Molecular Medicine	2018-2019 27 th June 2018
28.	Capacity building program on Acute Pediatric Care	2018-2019 13 th April 2018
29..	Acute Critical Care course for clinicians	2018-2019 9 th October 2018
30.	Survey Research Methodology	2018-2019 19-21 November 2018



Capacity Building & Training Programmes Conducted in the Institute (2018-2023)

Workshop on Pandit Deendayal Upadhyay Rajya Karmchari Chikitsa Yojna, 2023

Workshop on Pandit Deendayal Upadhyay Rajya Karmchari Chikitsa Yojna



Pandit Deendayal Upadhyay Rajya Karmchari Chikitsa Yojna is a cashless medical treatment facility being provided to the government servants, retired government servants & their dependent families as per an order issued by Govt. of U.P. This facility will be available in all government hospitals empaneled under Ayushman Bharat Pradhan Mantri Jan Arogya Yojna (AB-PMJAY) in U.P. In this scheme, cashless treatment is being commissioned without any financial limit in Government Medical Institutions/Hospitals in U.P. & this is going to be implemented at SGPGIMS, U. P.

The Department of Hospital Administration, SGPGIMS, organized a Workshop on Pandit Deendayal Upadhyay Rajya Karmchari Chikitsa Yojna, in order to update all the stakeholders (Doctors, Residents, PRO-OPD, Arogya Mitras regarding implementation of this scheme).

The Workshop also resolved queries related to AB-PMJAY Scheme in SGPGIMS. This program began with a Welcome Note & Opening Remarks by Dr. R. Harsvardhan, Head, Hospital Administration. Dr. Gaurav Agarwal, Chief Medical superintendent, gave a brief introduction about the scheme. Dr.

R.K. Dhiman, Director, SGPGIMS elaborated upon the achievements of AB-PMJAY.

The scientific session commenced with a talk by Dr. B.K. Pathak, General Manager, SACHIS(State Agency For Comprehensive Health and Integrated Services), on Salient features and how to apply for being a scheme beneficiary. There was a talk by Shri Utpal Yadav, Manager, SACHIS, on the topic: In-patients Hospitalization, Pre & Post Hospitalization medical expenses cover and Day care Procedures & Non - Disclosure or Misrepresentation, Disclosure of Information & Claim Settlement (provision of Penal provision) & Redressal of Grievance. Shri Satya Prakash Verma, IT-Manager, SACHIS, discussed Implementation of Pandit Deendayal Upadhyay Rajya Karmchari Cashless Chikitsa Yojna in Government Hospital through online portal.

The program ended with an open house discussion session chaired by Dr. V. K. Paliwal, Medical Superintendent & Dr. R. Harsvardhan. Concluding remarks was given by Dr. K.D. Singh, Senior Resident, Hospital Administration.

Dr. Amarjeet Mitra
PG resident, Hospital Administration

Coverage in SGPGIMMS Newsletter

Comprehensive cardiac nursing care for capacity building and continued medical education, 2023

1st Refresher Course for Comprehensive Cardiac Nursing Care for capacity building and Continued Medical Education



Dr Kamlesh Raut, Dr Arpita Katheria and Dr Harshit Khare.

The final session on 18th March 2023 culminated in an examination followed by certificate distribution to the participating nurses by Prof RK Dhiman, Director SGPGI. While addressing the gathering Prof Dhiman complemented the Department for organizing this course and reiterated that such knowledge building exercises were essential not only for enhancing one's own skill-sets but would also improve holistic patient care. The program was also attended by Prof Aditya Kapoor, Prof Satyendra Tewari, Prof Sudeep Kumar, Dr Ankit Sahu and Dr Kamlesh Raut from the Cardiology Department and Chief Nursing Officer, Mrs Lizsamma Kalib along with sister-in-charges of MICU, Cardiology and Cath lab areas.

Nursing staff play a very important role in delivering good cardiac care. The Department of Cardiology under the leadership of Prof and Head, Dr Aditya Kapoor initiated the 1st Refresher Course for Comprehensive Cardiac Nursing Care for capacity building and Continued Medical Education for teaching classes for all Cardiology nurses.

The 8 module course had weekly sessions devoted to all aspects of Cardiology nursing care including approach to chest pain, heart failure, congenital heart diseases, cardiac arrhythmias, cardiac emergency drugs, hemodynamic monitoring and sterile techniques while delivering ICU care. Each class included a lecture by the Cardiology nursing officers Ms Nirmala, Mr Kamlesh, Mr Ram Kumar, Ms Treesa, Ms Nisha, Ms Kanta, Mr Sunil, Ms Ruby and Cardiology Faculty



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 Executive Registrar
 SGPGIMS, Lucknow

Fundamental Critical Care Support (FCCS) Provider and Instructor Course 7th Edition, 2022

Fundamental Critical Care support (FCCS) Provider & Instructor Course – 7th Edition



The department of Anaesthesiology, SGPGI, organized the Fundamental Critical Care support (FCCS) Provider & Instructor Course - 7th Edition on 23-24 April, 2022 at **Professor Soma Kaushik Auditorium**. The Organising secretary and Course Coordinator was **Professor Sandeep Sahu**, Anaesthesiology and the Organizing Chairman was **Professor SP Ambesh**, Head, Department of Anaesthesiology, SGPGIMS, Lucknow.

The Course was inaugurated by Director, **Professor R K Dhiman** and Dean, **Professor Aneesh Srivastav**. Around 60 doctors, from ICUs all over India were trained.

About the Course: FCCS is an internationally renowned two-day comprehensive course by Society of Critical Care Medicine (SCCM), USA addressing fundamental management principles for the first 24 hours of critical care. The FCCS Curriculum is intended to introduce principles important in the initial care of critically ill/injured patients to physicians, physicians-in-training, nurses, and other healthcare providers who may or may not be skilled in critical care but who must care for such patients during early stabilization and in anticipation of the arrival of an intensivist, or pending transfer of the patient to a tertiary center. In these COVID pandemic times, this course has even more relevance.

Topics Covered: Electrolytes & Metabolic Disturbances, Recognition & Assessment of Seriously ill Patient, Acute Coronary Syndrome, Airway Management, Critical Care in Pregnancy, Cardiopulmonary/Cerebral Resuscitation, Diagnosis & Management of Shock, Diagnosis & Management of Acute Respiratory Failure, Life Threatening Infections, Basic Neurological support, Mechanical Ventilation, Special Considerations, General Paediatric Versus Adult

Patient, Monitoring Blood Flow, Oxygenation, Acid & Base Status, Ethical Considerations During Acute Care, Trauma & Burn Management, Mechanical Ventilation (Basic & Advanced), Electrolytes & Metabolic Disturbances, Skill Stations: Airway Management, CPR, Trauma

The course was conducted under mentorship of FCCS Consultant: **Professor Kundan Mittal** from PGI Rohtak and FCCS Course Director: **Dr. Simant Kumar Jha**, PSRI Hospital New Delhi.

Course faculty:

Dr Manish Munjal, Rajasthan
Dr Ramit Singh Sambyal, New Delhi
Dr Pradeep Rangappa, Bangalore
Dr Pradip Kumar Bhattacharya, Bhopal
Dr Avinash Jain, New Delhi
Dr Yash Jhaveri, Lucknow
Dr Prashant Kumar, PGI Rohtak
Dr Rakesh Garg, AIIMS, New Delhi
Dr Anirban Hom Choudhuri, New Delhi
Dr Ajith Kumar A.K, New Delhi
Dr Mohan Gurjar, SGPGI, Lucknow
Dr Rajat Gupta, New Delhi

हे प्रभु

मन प्राण के संबल कहीं हो ?
निर्बलों के बल कहीं हो ?
जो रहा दीपित सदा - वो
कर्ण के कुण्डल कहीं हो ?

जो रहा प्राणित हमेशा -
तुम वो गंगाजल कहीं हो?
जलधि सा फेनिल गगन में,
शुभ चिन्मय तल कहीं हो?

जो सदा ही तेज भस्ता -
वो दीप लौ अनल कहीं हो ?
उर्द्ध-रेता, जो मनु में छिपा -
शुचि सद, मनोबल कहीं हो ?

प्राण में संवेदना के तार जैसे -
वेदना प्रसूत आत्मबल कहीं हो ?
सैकड़ो तारे गगन में तैरते हैं !!
रवि-सम खुदी, दावानल कहीं हो?

है दिया काया तुम्ही ने,
और तुम्ही ने दो सदा !
मैं मांगता हूँ ज्ञान-कण
मेरे प्रभु, मेरे खुदा !!
मैं मांगता हूँ, साथ तेरा -
आज भी ओ सर्वदा !!!

- डॉ राजेश हर्षवर्धन
प्रमुख, अस्पताल प्रशासन विभाग

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Executive Registrar
SGPGIMS, Lucknow

Communication Skills in Healthcare ,2022

Communication Skills in Healthcare

Communication plays a very important role in our day to day life in sending information across. Effective communication ensures mutual understanding amongst us which minimizes chance of misunderstanding. In a professional surrounding, the better we communicate, the more credibility we have with our colleagues, juniors and seniors. Clarity , brevity of communication and active listening are the traits which can be learnt through practice.

The need to inculcate good communication skills in our staff was strongly felt ,to minimize friction with patients and their attendants which may occur due to poor communication and lack of coordination.

A workshop on “Communication Skills” was organized by the department of Public Relations on 14th February at Dr. Hargobind Khurana Auditorium, Lecture Theatre which was attended by Receptionists, Junior Reception Officers, Public Relations Officers, Medical Social Workers, Nursing Staff and Data Entry Operators of Reception and Registration Desks.

Speaking on the occasion, **Professor R K Dhiman**, Director,

SGPGI, underlined the importance of communication skills in any hospital in order to understand patients' perspective and their emotions and in this way extending all possible help to them. Losing temper can cause physical and mental stress to the staff and finally, nobody wants unpleasantness. As we all have to work for long hours in the hospital, it is all the more important to stay physically, mentally and emotionally fit. He added that showing compassion is vital in communication as compassion can help in making the environment congenial.



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Longitudinal Inservice Training Program at Apex Trauma Centre, 2022

Longitudinal In-service Training Program at Apex Trauma Centre

HAI's are one of the most common adverse events during healthcare delivery and a major public health issue affecting morbidity, mortality and quality of life. At any time, up to 7% of patients in developed and 10% in developing countries will acquire at least one HAI, causing a considerable economic burden to the society. However, HAI's are largely preventable through effective infection prevention and control (IPC) measures. The Centers for Disease Control and Prevention estimates that 2 million patients suffer from hospital-acquired infections every year and nearly 100,000 of them die.

In order to enhance our current knowledge about Hospital Infection Control and Bio Medical Waste Management practices, a Longitudinal In-service Training Program was organized by the Hospital Infection Control Cell & Biomedical Waste Management Committee, Department of Hospital Administration, SGPGIMS at Apex Trauma Centre, SGPGIMS on 26th February, 2022.

The main objective of the program was to impart knowledge to participants on essential techniques of current practices in Infection Prevention & Control and Bio-Medical Waste Management so as to subsequently decrease the rates of health care associated infections at ATC.

The program comprised of an "Inaugural Session" followed by the "Scientific Session". Inaugural Session was graced by **Professor R. K. Dhiman**, Director, SGPGIMS, **Professor Raj Kumar**, In-charge

ATC & Head, Neurosurgery, and **Dr. R. Harsvardhan**, Deputy Medical Superintendent, ATC & Head, Hospital Administration and Member Secretary, SHICCOM. Dr. R. Harsvardhan emphasized the need for regular training programs to reinforce the standard practices of infection prevention and control amongst all stakeholders. Professor Raj Kumar discussed the importance of Disinfection and Sterilization, and stressed on the need of bridging the gap between knowledge and implementation of the ideal practices of Hospital Infection Control. Prof. R. K. Dhiman drew cognizance to the fact that ideal infection prevention & control practices are a responsibility of all the healthcare workers. He also emphasized that regular training programs play a pivotal role in adherence to standard practices by all the healthcare workers.

The Scientific Session comprised of deliberations by Domain Experts on various aspects of Infection Prevention and Control and best practices in Bio Medical Waste Management. **Dr. Rupali Awale Bhalchandra**, Assistant Professor, Lab Medicine discussed the facts pertaining to infection prevention and control practices in sampling process. In order to elucidate on Disinfection & Sterilization as an essential for ensuring no transmission of pathogens and with this background, **Dr. R. S. K. Marak**, Professor, Microbiology, stressed on the significance of Equipment Disinfection & Sterilization for prevention and control of Hospital Acquired Infections. A multidirectional approach



including continuous staff education, minimizing the risk factors and employing all the guidelines is necessary for preventing HCAI in all the major hospital areas and **Dr. Sangram Singh**, Assistant Professor, Microbiology, drew the attention of the delegates on the Infection Prevention & Control Practices in Special Units such as Emergency, OT, and ICU. **Dr. K. D. Singh**, Senior Resident, Department of Hospital Administration emphasized on the importance of segregation of Bio Medical Waste at the point of generation. **Dr. Anita Jose Ellenkil**, Senior Resident, Department

of Hospital Administration discussed the prevention & treatment and significance of reporting of Needle Stick Injury among Healthcare Workers.

The program exclusively targeted the Consultants, Residents, Nursing Staff, Patient Attendants, Housekeeping & Sanitation Staff and Lab Technicians and was organized under the guidance & support of Prof. R. K. Dhiman and Prof. Raj Kumar by the Department of Hospital Administration under the stewardship of Dr. R. Harsvardhan.

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Pediatric COVID 19 Capacity Building Programme, 2021-22

Preparing for the third wave: Pediatric COVID-19 Capacity Building Program

The unexpected and untimely second wave of COVID-19 has had a tremendous impact on healthcare services across the country. While recovering from the effects of the devastating second wave, there lies a large doom of anticipated third wave of the ongoing SARS-CoV2 pandemic. Various experts and prediction models have predicted a third wave of the deadly virus hitting back in the upcoming weeks or months, with speculations that this wave would impact children more than what we saw previously.

Gearing up to provide care for children affected with COVID-19 in SGPGI, the entire pediatric faculty, residents and nurses of the Institute have come together to fight the deadly disease. The results of these efforts have led to the **Pediatric Capacity Building Program** which is a unique short term training program with the motive to train all doctors and nurses of the Institute to be ready to care for children, if situation warrants.

The program is currently running full swing at SGPGI with a vision to provide care to children affected with COVID-19. It is also an opportunity to impart basic knowledge of pediatric care which will be useful in COVID-19 as well as non COVID illnesses.

The Capacity building program is divided into two parts -one for nurses and the other for doctors. The nursing capacity building

began in the first week of June wherein nurses from pediatric background were initially trained as master trainers who in turn are conducting regular sessions (both lectures and hands on) for other nursing staff of the Institute. Over 150 nurses have been trained and the dedication and involvement of the entire nursing team is praiseworthy.

The program for doctors is being conducted with the help of faculty and senior residents from pediatric background along with colleagues from Anaesthesia and CCM departments. A booklet has been prepared, which can be used as a ready reference by all. Online lectures have been prepared by the team on salient aspects of pediatric care followed by a hands-on session for providing demonstrations on various equipment, machines and monitors that would be used in these wards.

The response to the program is overwhelming with everyone working diligently towards the goal. Thus, the Institute is all geared up to fight the third wave and care for children as well. Remembering the famous quote by Greg Kincaid-

"No matter how much falls on us, we keep plowing ahead. That's the only way to keep the roads clear".

Dr Akanksha Verma, Assistant Professor, Neonatology
Dr Kirti Naranje, Additional Professor, Neonatology
Dr Banani Poddar, Professor and Head, Critical Care Medicine



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Telemedicine Consultation in Oncology, 2020-2021

Telemedicine Consultations in Oncology : Creating a Bridge In Distressing Times and Beyond

The corona pandemic took the world by storm in the blink of an eye. The lockdown imposed harsh (but necessary) travel restrictions and various other road-blocks in getting patients the requisite care. Oncology departments faced the dilemma of controlling viral spread on one hand versus averting impediments in the treatment of cancer patients, both old and new, on the other. Through all the frenzy, paranoia; after a thousand perturbed phone calls from patient relatives, it became quickly apparent that we were in dire need of an alternative medium for patient consultations. Enter the world of telemedicine.

The modus operandi of a telemedicine consultation is quite straightforward yet effective. A phone number is circulated via the news media, the hospital help-desk, and departmental offices to patients and/or the concerned relatives. The patient then places a call to their doctor and enumerates their ailments. The content of a call usually ranges from follow-ups, basic symptomatic care, to gathering details about and finalising treatments. A centralised Whatsapp number also comes into play here, through which the patient can forward lab reports, scan films and other imperative documents. The doctors handling the consults have access to the Hospital information System (HIS) through which they can access previous treatment details, reports and give out OPD appointments. All in all, a robust system that can handle many facets of patient care with surprising efficiency.

Nothing can ever replace a good old face to face consult with proper history taking and physical examination. And it's obvious that the patient's physical presence is required for a medical/surgical procedure. However, there are many patient consults (especially from an oncologist's perspective) which can be managed through the technology available to us at the telemedicine centre. We need to

think about integrating E-OPD services to manage them. We are positive that the cost-benefit implications will be immense in the long run for our patient population at large.

To conclude, "necessity is the mother of all invention." Adverse times bring about new modalities and techniques to get the job done. As enumerated above, telemedicine has enabled us to get our job done to a large degree during this global pandemic. It has created a bridge of hope between the patients and health personnel. We implore our authorities to consider keeping that bridge standing once normalcy returns.

By the residents of Radiotherapy Department : Joe Jose, Nelesh Aggarwal, Arti Mehotra, Ashutosh Mishra, Mr. Shivam



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Telemedicine Outreach Programme-Electronic COVID Care Support eCCS/eOPD, 2020-2021

Telemedicine outreach program of SGPGI for the state of Uttar Pradesh

Based on his experience gathered in utilizing telecommunication facilities for contacting and treating patients with hepatitis and cirrhosis of the liver, in PGIMER Chandigarh, the Director, Prof. RK Dhiman, initiated the telemedicine outreach program of SGPGI along with the support of the Dean of Institute and Head of Endocrine Surgery, Prof. SK Mishra, who is also the nodal officer of the School of Telemedicine and Biomedical Informatics. In this endeavor, they had the steady and whole-hearted support from the government and the Principal Secretary Medical Education, Dr. Rajneesh Dube, the Special Secretary Medical Education, Mr. Markandey Shahi and the Director-General of Medical Education, Dr. KK Gupta. The aim of the program is to provide standard-of-care facilities via telemedicine and other telecommunication modalities so that remote clinical decision support may be administered throughout the state of Uttar Pradesh from Level 1 to Level 3 hospitals. The program caters to patients suffering from COVID-19 infection and non-COVID-19 related diseases. Health support is being provided to 15 to 20% of patients with frank COVID-19 infection who develop severe illness; patients with COVID-19 infection with multi-organ failure and cardiac or respiratory compromise or arrest, requiring an intensive care and ventilatory management; symptomatic patients who are suspected of having symptoms of COVID-19 infection but are not sure of the further course of action; patients with other non-COVID-19 medical and surgical emergencies who are not able to come to tertiary care hospitals due to the travel restrictions in place; and, patients with other non-COVID-19 ailments with significant symptoms being managed by the doctors in peripheral hospitals who do not have sufficient expertise in treating the particular ailment and, therefore, require advice.

This telecommunication support is in two forms:

The Electronic Covid Care Support (eCCS) network is a hub-and-spoke model in which doctors as well as patients from primary health care centres, community health centres, district hospitals and Medical Colleges may communicate with doctors in SGPGI using tele-consultation services. Four doctors, one each from Surgical, Medical, Intensive care and Paraclinical Specialty are on duty by rotation in two shifts of 6.5 hours each from 8 am to 8.30 pm (with an overlap of half hour). The Critical Care Management, Neonatology and Maternal and Child Health departments also provide a 24-hour round-the-clock service with a mobile phone network. The Radiology department provides exclusive services during the hospital hours. Every Wednesday and Saturday, utilizing the telemedicine network, the doctors in SGPGI communicate with their Western UP spoke hospitals to understand their difficulties and suggest solutions. They also provide short educational lectures conducted by the staff of SGPGI.

The eOPD services include 26 departments of SGPGI providing telemedicine outreach services to new as well as follow-up patients of their respective departments. This service runs from Monday to Saturday from 9.30 am to 1.30 pm. Patients requiring a detailed examination, investigations, or any intervention are then asked to come to the institute for further management. The data from these two telecommunication services are being provided to the government on a daily basis. The success of this program is borne by the fact that in

the two and a half months since its inception, a total of 21,220 patients (2401 patients have sought teleconsultation in eCCS and 18,799 patients have been seen in the eOPD telemedicine) were benefitted by this telecommunication network.

This successful endeavour would not have been possible without the sincere contribution by all Heads of Departments and faculty members of the institute; the Computer wing of the institute headed by Prof. Uttam Singh, Mr. Sarkar and Mr. Raj Seth who provided HIS facilities; the telephone services headed by Mr. PC Gupta and Mr. Rautela; the electricity and air conditioning services managed by Mr. Sanjay and Mr. BL Sharma, respectively; the nodal officers for execution of OPD services, Dr. Amit Agarwal, the CMS, and Dr. RP Singh; the medical illustration team consisting of Mr. Anil and Mr. Kishore; and, the telemedicine team headed by Mr. Ripudaman and Mr. Arvind. We hope that this endeavour will continue to expand and provide telemedicine services to our patients even after the Covid-19 pandemic is over.

Dr. Kamlesh Singh Bhaïora

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ECHO Programme for COVID-19, 2020-2021

Extension of Community Health Outcomes (ECHO) Program



In this pandemic of Covid 19 the regular training of healthcare workforce is an essential factor for the better health of patients and medical staff. Based on Hub and Spoke model, SGPGIMS is providing training to 52 medical colleges, health care workers and paramedical staff under the aegis of Extension of Community Health Outcomes (ECHO) programme. This training consists of 11 modules related to outbreak, transmission, symptoms, sample collection, standard precautions, creation of Covid 19 facility, quarantine of patients and HCW, hospital management etc.

The Course Director is **Prof R. KDhiman, Director**, SGPGIMS and Co-Director is **Prof R. K Singh, Head**, Department of Emergency Medicine, SGPGIMS and Nodal Officer, Rajdhani Covid Hospital. Honorable Minister

Shri Suresh Khanna ji, Minister of Medical Education, Finance & Parliamentary Affairs, Government of Uttar Pradesh inaugurated this unique teaching platform, a need of the hour.

Virtual ICU Rounds

Apart from taking care of the 80 bedded ICU of Rajdhani covid Hospital, SGPGI is also shouldering the responsibility of giving training to the faculty of 52 medical colleges across the state for protocolising treatment of sick patients who are on ventilatory support. On the initiative taken by the state government of Uttar Pradesh, particularly **Honorable Chief Minister** of Uttar Pradesh, **Yogi Adityanath ji**, SGPGI started virtual ICU rounds through ECHO platform, wherein 52 medical colleges of UP were connected via video conferencing to train the doctors in ICU management.

Everyday in the evening from 4 to 5:30, faculty and students of 2-3 medical colleges discuss their difficult cases with SGPGI faculty and get expert opinion and proper guidelines from ICU experts. This enables a close watch on the entire management of the ICU care in these medical colleges. Directives can be given to them on Ventilatory management for covid-19 positive patients through video conferencing.

Main objectives of virtual ICU management through ECHO are:

1. Disease severity classification
2. To protocolise management
3. To have uniformity in the management of ICU care
4. Clinical expertise in the management of ICU by interactions among the faculty and students of various medical colleges.
5. The main emphasis is on patient outcome. To improve covid19 ICU management in all the medical colleges of the state in order to reduce patient mortality in ICU.

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Capacity Building Programme for COVID-19, 2020-2021

Capacity building Programs at SGPGIMS

Medical treatment of the sharply rising number of COVID-19 positive patients has placed tremendous strains on health care resources, particularly the management of patients admitted to L3 facilities. The demand of specialist health-care workers is also increasing for managing critical aspects of the COVID treatment. This is important to manage critically ill patients, and to improve survival.

Accordingly, it is imperative to undertake a targeted capacity building program to train, and to refresh, health care workers in their skills for the management of critically ill COVID patients, including in respect of oxygen therapy, ABG analysis, ventilator operations, SGPGIMS COVID-19 Management Protocol etc.

Till date seven such programs have been organized by the Department of Anaesthesiology under the leadership of **Dr Anil Agarwal**, Professor and Head Department of Anaesthesiology in the last one month and a total of 159 Faculty members and residents across different specialties including, Cardiology, Gastroenterology, Surgical Gastroenterology, Immunology, Radiology, Transfusion medicine, Orthopedics, Endocrinology, Endocrine Surgery, Maternal and reproductive health have been trained.

Dr Sujeet Gautam Additional Professor Anaesthesiology and nodal officer Capacity Building Program, informed very soon Department of Anaesthesiology is also starting similar programs on a regular basis for nursing staffs being posted in RCH.

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Biomedical Waste Management Workshop, 2020

BMW - Workshop

A workshop on COVID-19 Biomedical Waste Management: Principle & Practices was organized by Department of Hospital Administration, SGPGIMS on 05, December, 2020 which highlights the salient features of the BMW (Biomedical waste management) practices in concise manner for better understanding and implementation for Healthcare workers at

this crucial period of COVID-19 pandemic

The main objective of the workshop was to sensitize and update the stakeholders (State & District Medical Health Officers, ULBs, HCFs, Practitioners, Academic Institutions, Health Care Provider/professionals, Students, Industry and NGOs) on BMW Rules, compliance requirements and with specific focus on CPCB guidelines to handle the COVID-19 waste.

The workshop was organized under the Stewardship of **Dr. R. Harsvardhan**, Head, Hospital Administration, SGPGIMS. He also addressed the Inaugural Session of the Workshop. Welcome note was given by **Dr. Gaurav Agarwal**, Professor, Endocrine Surgery.

The workshop was attended by 100 delegates virtually via Google Meet Software and 30 healthcare staff of SGPGIMS got in-house training.

Scientific Session of the workshop had eminent speakers from SGPGIMS, Niti Ayog and CPCP.

Director Prof. **R.K Dhiman** and Chief Medical Superintendent **Prof. Amit Agarwal**, provided guidance & support.

Dr. R. Harsvardhan, Head, Hospital Administration

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Advance Course in Renal Nutrition & Metabolism, 2019

5th Advanced Course In Renal Nutrition & Metabolism



The 5th Advance Course in Renal Nutrition and Metabolism was organised by the department of Nephrology on 20th and 21st April 2019 at the local hotel in Lucknow, under the banner of Society of Renal Nutrition & Metabolism (SRNM). The Society of Renal Nutrition & Metabolism (SRNM) is the first and foremost Indian scientific organization dedicated towards prevention of malnutrition in patients with chronic kidney disease. The society organizes a course in renal nutrition and metabolism for an update on recent advances in the care of patients with kidney disease to streamline nutritional intervention in order to delay progression of the disease and prevent and treat malnutrition.

The faculties of the course were nephrologists and physicians from all over India and Nepal. Around 140 delegates including nephrologists, physicians and dieticians from all over India attended the course. The sessions were focused on pathophysiology of malnutrition in chronic renal failure, rationale for medical nutritional intervention, and management of specific conditions like acute kidney injury, diabetic nephropathy, involvement of cardiovascular diseases and conditions specific to kidney transplant recipients.

A book entitled "Pearls of Renal Nutrition, SRNM Advance Course in Renal Nutrition and Metabolism" and official journal of society "Latest issue of Journal of renal nutrition and metabolism" was released by the Chief Guest. Dr Anita Saxena, Professor Department of Nephrology SGPGIMS was the Organizing Secretary of the program.

Coverage in SGPGIMMS Newsletter

Basic Neonatal Ventilation Workshop, 2018-2019

CPAP Workshop



The department of Neonatology SGPGIMS organized a workshop on use of CPAP on 7th April 2019 in the Telemedicine Auditorium, SGPGIMS, Lucknow, to increase the awareness of benefits of CPAP and train the budding doctors in the art of CPAP. CPAP is an upcoming noninvasive mode of respiratory support. Majority of the preterm neonates are managed with CPAP alone. CPAP avoids intubation and allows baby to breath spontaneously.

The workshop was attended by 60 participants from across the state. The workshop was inaugurated by Prof Rakesh Kapoor, Director SGPGIMS and Prof Amit Agarwal, Chief Medical Superintendent, SGPGIMS. The dignitaries also unveiled two books on invasive ventilation and CPAP published by the Department of Neonatology. The workshop was a joint venture by the Lucknow Neonatology Foundation and the Neonatology Department SGPGIMS. Prof Niranjana Singh from the Lucknow Neonatology Foundation and Prof Girish Gupta, Head Department of Neonatology, SGPGIMS chaired the academic sessions. The presentations and workshop were conducted by faculty from the department of Neonatology SGPGIMS, Prof Girish Gupta, Dr Kirti M Naranje, Dr Anita Singh, Dr Aakash Pandita and Dr Vasanthan T. The department plans to continue the training of young doctors across the country by conducting similar workshops in near future to make healthy India a reality.

Coverage in SGPGIMMS Newsletter

Endocrine surgery skill cyber workshop, 2018-2019

Endocrine Surgery Skill Cyber Workshop

Dept. of Surgical Endocrinology, SGPGIMS is organized an unique Live Surgical Workshop on Basic and Advanced Thyroid Surgery from 3rd to 7th September, 18 in the School of Telemedicine, SGPGI, Lucknow. This was a unique workshop as it was totally web cast based and transmitted to different centers of the country and abroad.

SGPGI's is engaged with Telemedicine Technology and has an active telemedicine programme which is now 19 years old. The School of Telemedicine & Biomedical Informatics is recognized as the National Resource Center for the National Medical College



Network Project by the Ministry of Health & Family Welfare, Government of India. As a national resource center its onus is to create models of telemedicine application which has to ride over the upcoming pan India medical college network. The launch of a complete virtual model of surgical skill transfer in an ubiquitous fashion which can be accessed by potential learners from anywhere in the country and overseas thus bridging the Skill Gap.

The prime focus of this live workshop was thyroid surgery skill development. Live surgeries were carried out for thyroid diseases which was streamed over the internet media and accessed by the target learners. Besides, the proceedings of five days workshop was archived and posted in NMCN portal as well as SGPGI educational portal which could be accessed by the potential learners at their leisure time 24x7x365.

Coverage in SGPGIMMS Newsletter

Workshop on Safe Injection Practices, 2018-2019

Workshop on Safe Injection Practices

The World Health Organization Collaborating centre for viral Hepatitis, Department of Gastroenterology at SGPGI organized a day long workshop on injection safety and hands on training on safety engineered syringes for preventing the reuse of syringes on 20th September at Telemedicine auditorium, SGPGIMS, Lucknow. The aim of the workshop was to create awareness about injection safety in general and to prevent the reuse of syringes by health care workers. The workshop was

inaugurated by Dr. Rakesh Kapoor, Director, SGPGI. Speaking on the occasion, he spoke on the burden of unsafe injections at national level and global level. Dr. Rakesh Aggarwal, Professor, Department of Gastroenterology, further explained that around 8 to 16 million people across the globe get infected by Hepatitis B virus due to unsafe injection practices and deliberated on the methods for improving injection safety.

The amazing speakers of the workshop were Dr. Chandrakant Laharia, WHO India Country Office, Dr. Rajesh Bhaskar, Health and Family Welfare, Punjab and Dr. Rakesh N Pillai, INCLIN, New Delhi. This was followed by an open house panel discussion on various aspects of injection safety to answer the questions that the participants may raise. The program concluded with hands-on workshop on safe injection techniques and the use of reuse preventable syringes.

Amit Goel



Coverage in SGPGIMMS Newsletter

Nanotechnology in Molecular Medicine, 2018-2019

Nanotechnology in Molecular Medicine



The Department of Molecular Medicine and Biotechnology organized a one day workshop on "Nanotechnology in Molecular Medicine" on June 27th, 2018. The workshop was organized under the CoE for research and training, funded the Ministry of HRD, Department of Education. Dr. Swasti Tiwari, welcomed the participants and briefed them about the usefulness of this technology and its applications in research and health care. Dr. Amit Asthana, Principal Scientist at Centre for Cellular & Molecular biology (CCMB), Hyderabad, delivered a lecture on "Polymer/paper-based microfluidics and their applications". The participants were also given hands-on training on designing polymer and paper-based microfluidic devices.

Coverage in SGPGIMMS Newsletter


Lt Col Varun Bajpai VSM
Executive Registrar
SGPGIMS, Lucknow

Capacity Building Programme on Acute Pediatric Care, 2018-2019

Capacity Building Program on Advanced Pediatric Care



A five day residential State CME cum Workshop on Capacity Building Program on Advanced Pediatric Care for PMHS Cadre Pediatrician and Medical Officers was organized at SGPGIMS from 09th to 13th April 2018. This was the first program in the series of five.

The parent's dilemma and anxiousness is at extreme when it is the question of health and treatment of a sick child. Every parent looks for the best health care services for their sick children. Sometimes, these children do not receive good quality care, both at the level of ambulatory and institutional care owing to mistaken diagnosis and treatment by the healthcare providers. Sometimes seriously ill children who require care in hospital, inadequate triage and assessment, poor inpatient treatment and insufficient monitoring result in unnecessary suffering or avoidable death of children each year. One such example was the recent sad incident of death of 30 kids in BRD Medical College, Gorakhpur. Subsequent to which a team of experts headed by Prof. Rakesh Kapoor, Director SGPGIMS visited BRD Medical College, Gorakhpur & recommended the government for conducting Capacity Building Program for Pediatricians of State Govt Hospitals. Government paid heed to the advice of the experts and the Department of Hospital Administration, SGPGIMS was asked to take lead with financial support of National Health Mission, Govt. of U.P. along with Director of Deptt of Communicable Disease in orchestrating the program. Dr. R. Harsvardhan of SGPGIMS was designated as the Program In-charge by the government.

Department of Hospital Administration, SGPGIMS along with departments of Neurology, Neonatology, Pediatric Gastroenterology, Pediatric Surgery, Anaesthesia, Critical Care Medicine, Pediatric, has designed the program which is a combination of integrated learning vis-à-vis defined lectures, hands on training, case studies, presentations and field visits along with concurrent & terminal evaluation for the delegates.

The inaugural function of the program was graced by Prof. Rakesh Kapoor, Director, Prof. Rajan Saxena, Dean, Prof. Amit Agarwal, CMS, Prof. Hem Chandra, Head, Deptt of Hospital Administration & Medical Superintendent & Dr. Mithilesh Chaturvedi, Director, Communicable Disease, Govt. of UP, besides dignitaries and faculty members of SGPGIMS. The program co-coordinators were Dr. Akansha Singh & Dr. Ritika Rai, Dr. Aina Sr. residents of Hospital Administration Deptt.

Coverage in SGPGIMMS Newsletter

Acute Critical Care Course for Clinicians, 2018-2019

Acute Critical Care Course for Clinicians

(SGPGI-UK Partnership to develop an apex nodal centre to teach and develop Acute Critical Care to Clinicians for better patient care)



Sudden deaths in hospitals are not usually 'sudden' as we first think they are. A careful analysis of many of these deaths in India and other low middle income countries show that signature signs of clinical deterioration had existed for several hours if not days in these patients before the 'sudden death' is finally pronounced. More accurately phrased many of these institutions and doctors do not have a systematic approach to identify and correct some of the tell-tale signs frequently seen in a deteriorating patient. Such variations in health outcomes are frequently due to inadequate training of junior doctors, nurses and other health care professionals in the recognition and management of deteriorating patients in hospitals. Such deteriorations in patients' condition, at times following routine surgical procedures or other reversible diseases have frequently not received due recognition in undergraduate nursing or medical training programmes and the gaps in knowledge/skills amongst junior health care professionals continues to be a challenge in India. NHS doctors in the UK (Dr Geeta Sheety, from Birmingham, Dr S Selvakumar, London, UK) and the University of Manchester in the United Kingdom have developed a close partnership with their counterparts in India in developing and delivering a two-day multi-disciplinary course 'Acute Critical Care Course for Clinicians (ACCC) in order to address this problem.

The programme was the brain child of Professor Mahesh Mishra, Vice Chancellor Mahatma Gandhi International University in Jaipur (and Former Director of AIIMS, Delhi) in partnership with Dr. Ajay Sharma who is a transplant surgeon in Liverpool United Kingdom. The programme is now supported by several senior NHS doctors in the UK and India and has been conducted at over 18 venues all over India - including some of the most remote villages. The latest course in this series was successfully concluded on the 9th-12th October at SGPGIMS.

Dr Sandeep Sahu Additional Professor, Anaesthesiology is the Course Co-Director and coordinator at SGPGI and is dedicated to conduct and development of similar courses all over UP.

Coverage in SGPGIMMS Newsletter



Varun Bajpai
Lt Col Varun Bajpai VSM
 Executive Registrar
 SGPGIMS, Lucknow

Survey Research Methodology, 2018-2019

Survey Research Methodology

"Advanced Training Programme"

The Department of Biostatistics and Health Informatics organized a 3 days training program on "Survey Research Methodology" during 19-21 November, 2018. In this training course various important topics including sampling



techniques, sample size estimation, hypothesis testing, parametric and non-parametric methods, study tools development, validation and plan of the statistical analysis, format of the research projects were discussed. Statistical software's like SPSSR was demonstrated and used for the data analysis while study questionnaires development and online data collection tools were demonstrated using Epi-info software. Sample size estimation was demonstrated and practice session was conducted using G*Power and other freely available online software's. More than 40 biomedical researchers including medical faculty and residents from the various organizations had attended the training course. Total 12 resource faculties were involved in teaching and training belonging to SGPGI, KGMU, and University of Lucknow etc.

Coverage in SGPGIMS Newsletter