



SRI GURU RAM DAS UNIVERSITY
OF HEALTH SCIENCES, SRI AMRITSAR

Synapse

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An Update of
Sri Guru Ram Das University of Health Sciences

SGPC Sponsors Series of Cochlear Implant Surgery

SGRDIMSAR provided the gift of hearing to 12 deaf-and-mute children by conducting cochlear implants under its Program 'SOUND' (Screening of Universal Neonatal Deafness). The SGPC has borne 75% of the cost for these children belonging to the economically weaker section. The cost of treatment in a premier government Institution is Rs. 6.9 lakh whereas private institutes charge no less than Rs. 9 lakh.

After proper training these children will be able to hear and speak like normal children. We have successfully completed 85 cochlear implantations and have been regularly organizing screening camps in the region to create awareness regarding hearing loss in children and the importance of early intervention.



Dear friends,



“Leave it, I will do it myself.” This is a familiar frustrated outburst in response to the incompetence of someone entrusted with a task.

No doubt it is easier to do your own work, since you can best use your ability and resources according to the time available. However, it is not possible to execute everything and one is dependent on the contribution of subordinates and colleagues.

Getting others to do what you want is an art. Most people work best when they feel comfortable and motivated. A dominating or overbearing approach can succeed only in the short term. Gentle approach, respect, guidance, persuasion, encouragement and appreciation are the best tools to elicit cooperation.

The need to get work carried out is difficult but inevitable, and is enabled by effective interpersonal skills.

It is a point to ponder (last page)



COVID-19 Update

Free Covaxin vaccination Drive by SGPC

Dose	Date	Place	Age of Beneficiaries	Number of Beneficiaries
First	29 May to 01 June	Gurdwara Takhat Sri Akal Takhat Sahib Ji, Sri Amritsar	Above 18 years	1020
First	4 to 7 June	Gurdwara Takhat Sri Damdama Sahib ji Sri Talwandi Sabo	Above 18 years	390
First	19 to 23 June	Gurdwara Takhat Sri Keshgarh Sahib ji Sri Anandpur	Above 18 years	313
Second	29 June	Gurdwara Sachkhand Sri Harmandir Sahib Ji	18 - 44	204
			45 & above	61

Medical Oxygen Concentrators

* SGPC installed Medical Oxygen Concentrators at Gurudwara Sri Manji Sahib, Alamgir Ludhiana, Takht Sri Damdama Sahib, Talwandi Sabo, Gurudwara Bholath, Gurudwara Sri Barth Sahib, Pathankot, Kathunangal, Gurudwara Jamni sahib, Bazidpur, Ferozpur and Gurudwara Nankiana Sahib, Sangrur during the crisis of oxygen shortage in the 2nd wave of Covid-19.

'Publication: Remdesivir does not impact recovery or hospital stay'

* The surge of Covid cases in recent months had pushed the demand for Remdesivir (A patented drug that was recommended as an investigational drug in acute and severe Covid-19 cases under oxygen support) leading to a shortage across the country. Family members of the patients had to desperately search for the vials from various sources. Dr AP Singh, Dr Lakshmi Mahajan and Dr Gifty conducted the study 'Clinical outcomes of using Remdesivir in patients with moderate to severe Covid 19: A prospective randomised study' in Covid ICU and concluded that Remdesivir neither had an impact on length of hospitalization nor the chances of survival in moderate to severely infected patients.

» Clinical Snippet

Mucormycosis following COVID-19

A 75-year-old male with uncontrolled diabetes presented to ENT OPD with left nasal blockage, left malar swelling with numbness of left cheek and headache. He had Covid-19 15 days back.

On nasal endoscopy, the nasal floor was necrosed with yellowish black secretions in the nasopharynx. Eyes were normal. Oral examination showed midline palatal necrosis and biopsy revealed abundant aseptate hyphae on KOH staining. MRI with contrast revealed mucosal thickening in the left maxillary, ethmoid and frontal sinuses with bone erosion of alveolar arch and involvement of the pterygoid muscles. There was erosion of left orbit floor with extension into the extraconal compartment.

The patient underwent Left Total Maxillectomy with removal of necrosed palate, lateral nasal wall and orbital floor, along with the pterygoid complex and clearance of infratemporal fossa. He is on Injection Amphotericin B with no active complaints.



Achievements and Awards

Department of Medical Education



Dr Tejinder Singh was awarded the inaugural oration of Manipal University - Dr A Krishna Rao Oration Award for his work on medical education. He delivered the oration on 'Assessment of Competencies'. He also conducted a workshop on Workplace Based Assessment for CBME.

College of Nursing



Dr Amandeep Kaur Bajwa was awarded with 'Certificate of Excellence' in peer reviewing by Asian Journal of Arts, Humanities and Social Studies.

Courses Completed

Department of Anaesthesia



Dr Ruchi Gupta completed the Training Program on 'Good clinical practice' (Three sessions) organized by Clinical Development Services Agency (CDSA) in collaboration with National Biopharma Mission (NBM).



Dr Shubhdeep Kaur successfully completed virtual 'Train the Trainer Program' conducted by Asian Society of Pediatric Anaesthesiologists.

World Thalassaemia Day



World thalassaemia day was celebrated for the children with thalassaemia, called 'Thalheroes', by the department of Pediatrics in collaboration with the Blood Bank. The undergraduates, postgraduates, interns and some of the faculty members came forward to be a part of a blood donation camp, a noble cause for these Thalheroes. Now SGRDIMSRS also has a fully equipped mobile blood collection bus to collect the blood during this time of Covid pandemic.

World Environment Day



Community Health Nursing department celebrated World Environment Day on the theme 'Ecosystem Restoration' on the virtual platform. Mr. Rohit Mehta, Income Tax Commissioner, called 'Green Man of India' delivered a Guest Lecture. More than 100 saplings were planted by the faculty and students as a positive gesture towards betterment of the ecosystem.

Lectures/ Resource Faculty for Online Webinars

Department of Obst. & Gynae



Dr Sangeeta Pahwa was panelist in eCMEs on 'Infertility above 35 - A Challenge & Male Infertility', 'Infertility management', 'Pan India Endometriosis Symposium' organized by Rajasthan, Chandigarh and Punjab respectively.

Department of Ophthalmology



Dr Shakeen Singh delivered Guest Lecturers 'Scleral IOL fixation: Something for all', 'Accreditation Basics - What should you know before you start', 'The Debatable Debates in Cataract', was Judge in physical poster and free paper semifinals and was moderator in free poster session on glaucoma in AIOS (All India Ophthalmological Society) 2021.



Dr Pawan Prasher presented a surgical video on 'Manual SICS after Therapeutic PKP' in World Webinar on cataract and refractive surgery.



Dr Manish Chhabra delivered a lecture on 'Anatomy of Eye' for Gullas College of Medicine, Philippines.

Department of Radiodiagnosis



Dr Neeraj Jain presented inaugural address in an International Virtual CME on 'Practice Changing Capsule for Breast Cancer Radiation Oncology Update' under the aegis of association of Radiation Oncologist of India, North Zone Chapter and American Oncology Institute ASCOMS Hospital, Jammu.

Department of Biochemistry



Dr Sahiba Kukreja delivered a guest lecture on 'Implementation of CBME in Covid Times: Challenges and Solutions' in a webinar organised by MMU, Ambala.

College of Nursing



Dr Manpreet Kaur delivered online guest lecture on 'Role of women in combating COVID-19' organized by SPHE College of Nursing, Gharuan, SAS Nagar.

Nursing Day Celebrated



International Nurses Day was celebrated at Sri Guru Ram Das College of Nursing on 12th May 2021. The nursing faculty and practitioners lighted candles and observed two minutes silence for the patients and health workers who had died due to Covid-19 infection.

▶ Marching forward....

MoU with Genomic Medicine Alliance UK



A Memorandum of Understanding (MoU) has been signed with the Genomic Medicine Foundation (GMF) UK, a leading institute in Clinical Genetics, represented by its Medical Director Dr Dhavendra Kumar, through an online session. GMF UK will help in establishing a high-tech genetics laboratory at SGRDUHS and will promote collaboration and partnership in relation to developing opportunities for fellowship, scholarship, education training and Genomic applications in Medicine and Healthcare.

Dr. AP Singh
Dean, SGRDUHS

Publications

Department of Medical Education

- * Singh T, Gupta P. Can We Consider Scholarship of Teaching Learning Rather than Focusing Only on Publications for Recognition of Medial Teachers by National Medical Commission. Ann Nat Acad Med Sci (India):2021;57:1-2.

Department of Obst & Gynae

- * Sidhu A, Pahwa S. To Evaluate the efficacy or radiological investigations of Adenomyosis with clinical sympatomatology CTDT 2020;4(2):65-68.
- * Kaur S, Kamal P, Phawa S, et al. Rising Trends in ectopic pregnancy during COVID-19 Pandemic. CTDT 2020;4(2):84-86.

Department of Community Medicine

- * Devgun P, Gill KPK, Kaur A. The stressors and Mental Health during COVID Pandemic in Punjab, India- A Cross-sectional Study. AnnCommunityHealth2021;9(1):144-147.
- * Brar APS, Devgun S, Singh H, Brar DPS. Prevalence of chronic energy deficiency in ethnic adult Punjabi population according to weight for height criteria. Ann Community Health 2021;9(2):19-23.

Department of Anatomy

- * Lalit M, Piplani S. A Cadaveric study of Brachial Artery and its variations with its Ontogenic Basis: An Anatomical perspective. International Journal of Anatomy and Research 2021; 9(1): 7844-7850.

Department of Physiology

- * Write up of Dr. Deepinder Kaur was published in 'Physiology Insight' (Newsletter-cum-Research Bulletin) of ASSOPI.

College of Nursing

- * Kaur S, Kaur A, Nisha, Kaur M. Knowledge and practice regarding sage disposal of Sanitary Pads among hostellers, Research & Reviews: A Journal of Health Professions.2021;11(1):31-36.
- * Bajwa A, Kaur K. Selfie taking behavior and its impact on well being on college students. International Journal of Community Health Nursing 2021;4(1):1-17.



Enterocutaneous fistula

Dr Sudarshan Kapoor, Professor & Head, Department of Surgery

Q1 - What is an Enterocutaneous fistula (ECF)?

- An ECF is defined as an abnormal connection between the gastrointestinal tract and the skin.

Q2 - What are the main complications?

- Complications related to ECF include sepsis, malnutrition, fluid or electrolyte abnormalities and intestinal failure.

Q3 - What are the main risk factors?

- Most (75% to 90%) ECFs are iatrogenic (post-operative or post-procedural). Approximately half of these are thought to be caused by anastomotic leak or dehiscence and about half by inadvertent enterotomy. The other 10 to 25% are spontaneous.

Q4 - What is the clinical presentation of ECF?

- In the days preceding the fistula's external presentation, the patient commonly shows a persistent ileus, leukocytosis, abdominal pain, fever, or otherwise unexplained signs of sepsis. Rarely, a patient may show sudden, severe septic shock with peritonitis.

Q5 - What should be the treatment plan?

- Resist temptation to primary close the fistula. The first priority is to resuscitate and to treat any sepsis; the second is to protect the skin. The third step is to optimize the patient medically and nutritionally. The final step is definitive operative treatment when necessary.

Q6 - What is SNAP Protocol for ECF management?

- SNAP Protocol
S – sepsis, N - nutrition, A - anatomy, P – procedure

Q6 - What are the basic steps during surgery of ECF?

- The bowel is separated from the abdominal wall and fully freed of adhesions. This facilitates examination of the entire bowel, resection of the area containing the fistula, reconstruction of bowel, ruling out of distal pathology and release of any bands of adhesion. If required, proximal loop ileostomy can be created to facilitate healing of the anastomosis.

Q8 - What are the important steps in post-operative management of ECF?

- Maintenance of oxygen-carrying capacity by ensuring adequate volume status and avoiding hypotension, anaemia, and hypothermia allows healing. Avoiding infection and breakdown of the wound also helps to prevent recurrent fistulas. Nutritional support should be continued.

Q9 - What is key to success in treatment of ECF?

- The key to successful operative intervention is patience: first, patience in delaying the definitive operation until conditions are optimal, and second, performing a technically precise procedure patiently.

CASE SCENARIO

Complicated Entero-cutaneous Fistula



A patient BS presented to Emergency in septic shock with abdominal pain and distention. CT abdomen revealed perforation peritonitis. After resuscitation the patient was subjected to exploratory laparotomy next day. Perforation was closed and proximal ileostomy was done.

On 7th day, the ileostomy retracted inside the peritoneal cavity and there was dehiscence of the main wound with discharge of fecal matter and pus. Stoma and fistula bags were applied and the patient was put on intensive care. Re-exploration was done after 30 days of the initial surgery. Main wound was explored, adhesiolysis was done and gut was traced from the DJ flexure to ileocecal junction breaking all the adhesions. The involved part was resected and end to end anastomosis between ileum and ascending colon was done in a single layer of interrupted sutures.

Age & Sex Incidence	Etiology	Fistula Output	Re-explorative after primary repair	Ileostomy closure after 8-10 weeks	Post-operative wound dehiscence
Majority 20-40 years M = 47 F = 13	Post Operative	High output (50 cases) Low output (10 cases)	6 cases	50 cases	Complete 1 cases Partial 14 cases

Point to Ponder



Executive Team - SGRD Synapse
 Dr. Daljit Singh (Chairperson),
 Dr. Anupama Mahajan (Vice Principal) Convener,
 Dr. Deepinder Kaur (Physiology), Dr. Punita Salwan (Anatomy),
 Dr. Amandeep Singh (Radiology), Dr. Jaskaran Singh (ENT),
 Dr. Pooja Verma (Community Medicine)

HELP LINES

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