



**SRI GURU RAM DAS UNIVERSITY
OF HEALTH SCIENCES, SRI AMRITSAR**

SGRD
Synapse

Vol. 2/ No. 11-12/ November - December 2021

An Update of
Sri Guru Ram Das University of Health Sciences

Open Heart Surgery Initiated

Cardiothoracic & Vascular Surgery (CTVS) department conducted its first open heart surgery successfully on a 36 year old female having ostium secundum ASD with severe PAH, categorized as a high risk surgery. The department has already performed thoracic surgeries of which the last two cases were of mediastinal tumor. All the cases were successfully operated and are doing well on follow up.



Guest Lecture on Genomics

Genetics department organized a plenary talk on 'Genomic Perspectives of Precision Medicine & Healthcare - Examples from Oncology and Cardiology' by Professor Dr Dhavendra Kumar, a renowned Clinical Geneticist & Genomic Scientist from UK. He emphasized the role of genomics in healthcare leading toward precision medicine.



Dear friends,

A sudden major predicament can be very damaging and morale-shattering. It can disrupt plans, flatten resolve and turn one's world topsy-turvy.

It is not surprising if a calamity puts a person in a state of shock and generates a feeling of despair. One tends to get overawed and anxious.

At the same time, the mind becomes more alert and responsive in an emergency, which shakes you out of complacency and forces you to stretch your imagination and think rapidly. The situation presents a chance to consider options and seek alternative solutions. It stimulates lateral thinking to look for new ideas and strategies. You could even be able to start afresh.

A crisis can open up new possibilities.

It is a point to ponder (last page).

Dr. Daljit Singh
Vice Chancellor

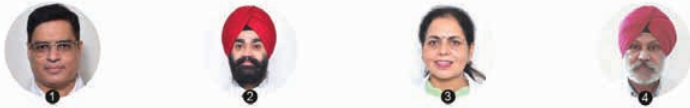


Book Released

The 2nd edition of 'Textbook of Nursing Management and Services' by Dr. Sukhbir Kaur, SGRD College of Nursing, was released. It is as per latest INC syllabus for UG nursing courses and is a ready reference for PG and PhD students. It covers topics on nursing care and administration in hospitals and nursing institutes.



Courses Completed



Department of Chest & TB

- 1 Dr Sunil Grover completed a two days certified Bronchiectasis school course and HRCT master class.

Department of Community Medicine

- 2 Dr Harjot Singh completed the foundation course in Palliative Medicine from Pallium India and completed Palliative Care course in Queensland virtual annual summit presented by Palliative Care Queensland.
- 3 Dr Manisha Nagpal 4 Dr APS Brar and 2 Dr Harjot Singh completed observership at the KOSHISH Hospice at Bokaro, Jharkhand.

Clinical Snippet

Neck Swelling in ALL 'Relapse or Mumps'?



A 6 year old boy on treatment for Acute Lymphoblastic Leukemia (ALL) with induction chemotherapy based on BFM 95 protocol, suddenly developed bilateral swelling of parotid and submandibular glands. Relapse was suspected but bone marrow aspiration and FNAC from cervical lymph nodes revealed disease in remission. A clinical diagnosis of mumps was made. It is unusual to have mumps rather than relapse in a patient of ALL undergoing treatment, presenting with salivary gland swelling.

Dr. Rajeev Gupta
Associate Professor of Medicine

Resource Faculty for Scientific Sessions



Department of Dermatology

- 1 Dr Jasleen Kaur was moderator in a session in National PG Update 2021 and was speaker at Gujarat Cuticon
- 2 Dr Saurabh Sharma was moderator in panel discussion in Cuticon 2021 and completed a series of eWorkshops.

Department of Obst. & Gynae

- 3 Dr Sangeeta Phawa gave talks in virtual CME of MMISM Maulana and sessions organized by Signutra and BSV. She was chairperson in National Symposium & workshop and in CME of Amritsar Obst. & Gynae Society and expert in panel discussion in MMLCON 2021.

* JR Dr Arshdeep Kaur qualified for the zonal round of online All India Torrent Young Scholar Award (TYSA) quiz.

Department of Surgery

- 4 Dr Sudershan Kapoor chaired two scientific sessions in ASOMACON 2021.
- 5 Dr Gurpreet Singh Bhangu chaired a scientific session in the conference organized by Punjab Urology Society Jalandhar.

Department of Anaesthesia

* AHA ACLS/BLS course was conducted for interns

ISACON 2021

- 6 Dr Ruchi Gupta chaired a session and was panelist in panel discussion. JR Dr. K Kaushal presented a paper.

ISA Punjab Chapter 2021

- 6 Dr Ruchi Gupta chaired a webinar series. 7 Dr Shubdeep and 8 SR Dr Avneet delivered lectures.
- 9 Dr Geetanjali Pushkarna and 10 SR Dr Gaganjot were panelist in discussion, DMC Ludhiana.

Department of Ophthalmology

- 11 Dr Shakeen Singh was panelist at session by AIOS-EBAI. He was also convenor and speaker at session at ISMSICS symposium.
- 12 SR Manish Chhabra took session on YouTube for Indian and foreign medical graduate.

Department of Radiodiagnosis

- 13 Dr Neeraj Jain was panelist in Oncology conference organized at Sarvodya Hospital Faridabad

Department of ENT

- 14 Ms. Arpita Chatterjee of Audiology Department was resource person in the webinar on 'Test Protocol for Children with HI'.

Department of Genetics

- 15 Departments of Genetics and Obstetrics & Gynaecology in association with Medgenome Labs Ltd. conducted a CME on 'Role of genetic testing & genetic counselling in Obstetrics.'

Department of Community Medicine

- 16 Dr Harjot Singh delivered the keynote address and represented the University at online 2nd WCPH 2021 held at Malaysia. He and 17 Dr Paramjot Bindra chaired and judged a scientific session.

Department of Anatomy

- 18 Dr Monika Piplani presented a poster in the virtual CME conducted by SRM Medical College, Trichy.



Novato Fiesta

College of Nursing organized fresher party for the new B.Sc., Post Basic B.Sc., GNM and M.Sc. batch 2021 students by organizing cultural events.



Achievements



Department of Radiology

1 Dr Arvinder Singh was selected as peer reviewer for the Journal of Evolution of Medical and Dental Sciences.

Department of Chest & TB

* Dr Amritpal Kaur JR-III won second position in the state quiz contest held by NAPCON.

Department of Genetics

2 Mr Inder Mohan Singh Sandhu 3 Ms Simranpreet Kaur got national level accreditation from Board of Genetics as Associate Level Genetic Counsellor and Level-II Genetic Counsellor respectively.

Department of Physiotherapy

4 Dr Mandeep Kang was awarded the 'Achrekar' award for contribution to Physiotherapy in the 4th National Conference on Sports Physiotherapy at Amritsar.



Marching forward....

International Partnership in Public Health

The current pandemic has highlighted the importance of public health that focuses on improving and protecting community wellbeing with emphasis on prevention. By being Institutional Partners in World Conference on Public Health 2021 and participating in related Research Activities, we at SGRD University have strengthened our role as Public Health Experts and will continue to do so....



Health 2021 and participating in related Research Activities, we at SGRD University have strengthened our role as Public Health Experts and will continue to do so....

Dr. AP Singh
Dean, SGRDUHS

National Awards



Dr Amandeep Singh, Professor, is the first Radiologist from Punjab to be selected for two highest National honours, 'Prof. VP Lakhnupal Gold Medal Award' and 'Dr. Diwan Chand Aggarwal Memorial Oration 2023' by the Indian College of Radiology & Imaging (ICRI) and Indian Radiological & Imaging Association (IRIA) for exemplary academic contributions in Radiology. He will deliver the oration and receive the award at the Annual National Conference of IRIA at Amritsar. IRIA has also selected him for the President Appreciation Award for 2021.

Rukhsat 2021



Students, staff and management bid adieu to the MBBS batch 2017 (another batch of professionally capable and ethically committed doctors to serve the ailing humanity) at a grand farewell function. Souvenir 'Rukhsat' was published and released by all the HODs as token of remembrance.

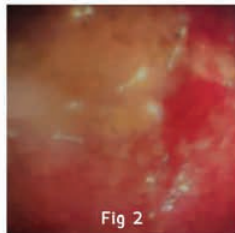


Dr Mohit Sharma, Professor, Department of Surgery

Case Scenario

Acid Ingestion - Gastric Stricture

A 32-year-old female, a known case of schizophrenia, presented with persistent postprandial vomiting and generalized weakness. She had history of 'harpic' (hydrochloric acid) ingestion with suicidal intent 4 months earlier. Laboratory evaluation revealed anemia (Hb 7.0 g/dL), hypoalbuminemia (Alb 2.0 g/dL) and hypokalemia (K⁺ 2.5 mEq/L). Barium swallow revealed severe gastric stricture (Fig 1). Endoscopy showed hyperemic, edematous gastric mucosa with complete luminal obstruction (Fig 2). Feeding jejunostomy was done. Psychiatrist's consultation was taken. After optimization of nutritional and psychiatric status, she was subjected to total gastrectomy (Fig 3) followed by Roux-en-y esophago jejunostomy. She has been on regular follow up and is asymptomatic for the last 3 years.



10 Year experience: Patient characteristics N=52

Median age 30 (16-55) years Male : Female 28: 24

Etiology

Accidental 12 (23.07%) Suicidal 40 (76.92%)

Corrosive agent

Hydrochloric acid 45, Sulphuric acid 1, Phenol 1, Nitric acid 2, unknown 3

Procedure

Esophageal replacement 14, Posterior gastrojejunostomy 15, Billroth I 6, Near total gastrectomy 5, Total gastrectomy 4, Feeding jejunostomy alone 2, Esophageal dilatation 6



Q1 - What is corrosive poisoning?

- Corrosive poisoning is ingestion of chemical substance, acid or alkali in nature, such as toilet cleaner like Harpic (Hydrochloric acid), Phenol or Industrial acids (Nitric acid, Sulphuric acid).

Q2 - What are the common symptoms and signs?

- Acute cases present with painful burning sensation in the oral cavity, retrosternal and upper abdomen, nausea, vomiting, hematemesis, hypersalivation, dysphagia, dysphonia, dyspnea, laryngospasm and ulceration in the mouth.

Q3 - How should an acute case of corrosive poisoning be managed in casualty?

- The following points need to be taken care of
 - Adhere to the basic ABC (airway, breathing, circulation) of resuscitation.
 - Do not** induce vomiting, **do not** insert Ryle's tube, **do not** do lavage and **do not** attempt neutralization of the corrosive agent.
 - Antibiotics are not useful in routine management.
 - Steroids are not indicated.
 - After basic resuscitation, evaluate the patient to assess severity of injury.

Q4 - What is the role of radiological imaging in the acute management?

- Plain X-ray chest helps in detecting free air. CECT scan of chest and abdomen is a useful modality for detecting mediastinitis, peritonitis.

Q5 - When can we resume oral intake in a case of corrosive poisoning?

- In asymptomatic and endoscopic grade of injury <2A, oral clear liquids are started within 24 hrs. In severely symptomatic cases or endoscopic grade >2B injuries, nutrition is achieved either through endoscopically placed Ryle's tube or operatively placed feeding jejunostomy.

Q6 - How should we manage a patient presenting with delayed complications?

- These patients usually present either with dysphagia or with features of gastric outlet obstruction. Evaluation of resultant stricture can be done by barium studies or contrast enhanced CT scan.

Q7 - When and what type of surgeries are done as definitive treatment?

- Definitive surgery is delayed until 3 months from the date of corrosive ingestion. Location of the stricture i.e., esophageal or gastric and its length determine the type of surgery, which ranges from esophageal replacement to gastrectomy (partial/total) to bypass.

Executive Team - SGRD

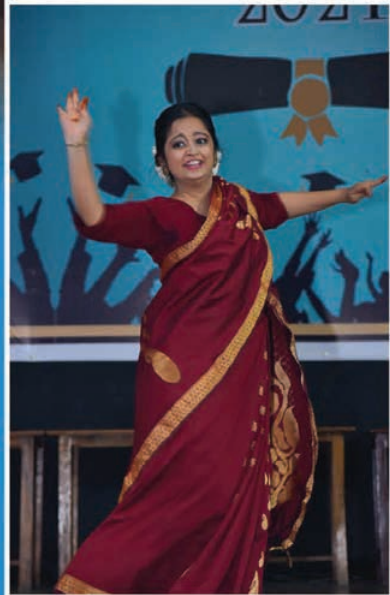
Synapse

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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The students, staff and management of the SGRD University bid adieu to the MBBS Batch 2017 at a grand farewell function. We are happy for you since there are bright opportunities waiting for you ahead. Best wishes for your future.





College of Nursing organized Welcome Party by organizing cultural events like group dance, solo singing, bhangra, modelling competition with lots of zeal and enthusiasm. Mrs Harleen Kaur was crowned Miss Fresher.