



Collaboration with Tata Memorial Hospital

SGRDUHS signed an MoU with Mumbai based Tata Memorial Centre (TMC-Hospital) in the presence of Secretary SGRD Charitable Hospital Trust Dr Roop Singh, Dean Dr AP Singh, Registrar Dr Baljit Singh Khurana and TMC Director Dr Rajindra A Badwe. Under the arrangement, specialists from the cancer treatment and research centre will visit the SGRD Rotary Cancer Hospital at regular intervals.



Rehabilitation Education on Childhood Disorders and Behavior Problems

Continuing Rehabilitation Education (CRE) was conducted at SGRD University in collaboration with Ali Yavar Jung National Institute of Speech and Hearing Disabilities (Divyangjan) on the theme 'Management of Childhood Disorders and Behavior Problems'. The main topics covered included childhood behavioral disorders, behavioral analysis, strategies, impact of disciplinary approaches and group work on skill training. This was under the banner of Universal Screening of Neonatal Deafness (SOUND) program.



A New Beginning.....Release of inaugural issue of SYNAPSE by S. Sukhbir Singh Badal, President Shiromani Akali Dal & Trustee SGRD Charitable Hospital Trust, Sri Amritsar in the august presence of President SGPC S. Gobind Singh Longowal and other hon'ble Trustees and office bearers of SGRD Trust.

Dear Friends,
Knowledge, especially in the medical field, is ever-expanding and, rather, limitless. Wisdom lies not in accumulating information but in putting it to the best possible use. Some people are boastful and claim that they know a lot. They are sadly mistaken and deserve pity rather than appreciation. The truth is that even with the best of our efforts, we can only manage to scratch the surface in our attempt to become truly learned in our lifetime.

As we gain knowledge we gradually realise the vastness of the sea we are attempting to tap, giving rise to a feeling of humility. We must therefore strive to be lifelong learners and not become arrogant or vain. Keep learning!

It is a point to ponder (see last page).

Dr. Daljit Singh
Vice Chancellor





National Conference of Indian Radiological & Imaging Association

The Department of Radiology participated actively in the 'Asian Radiology Forum- 73rd Annual National Conference of Indian Radiological and Imaging Association' at Gandhinagar, Gujarat.



Dr Vijinder Arora delivered faculty lecture on 'radiograph as a mirror of metabolic bone disease'.



Dr Kunwarpal Singh delivered faculty lecture on 'USG of peripheral nerves; A landmark approach'.



Dr Amandeep Singh delivered faculty lecture on 'pelvic masses; role of transvaginal sonography'. He also participated as Judge of scientific papers.

Dr Nilanshu Kataria, 3rd Year PG Student got 1st prize in paper presentation.

Third year PG students Dr Sonali Kaur Malik, Dr Iqbaljit, Dr Seerat Kaur Bhatia, Dr Nilanshu Kataria, Dr Chetna Dhamija and Dr Kamaljeet Kaur presented oral presentations.

IIRSI 2020 Winter Conference

Faculty of Department of Ophthalmology participated in Intraocular implant and Refractive Society of India (IIRSI) 'Vision to Infinity' at Amritsar.



Dr Shakeen Singh delivered faculty lecture on 'IOL Scaffold'.

Dr Pawan Prasher received best video award. He also presented papers on 'Unusual Encounters with Intraocular Lenses' and 'SFIOL with Corneal Transplant-Different Scenarios'.



Dr Mandeep Kaur gave a talk on 'Cataract Surgery after Penetrating Keratoplasty: Challenging Scenarios'.

Blood Donation Camps

Blood Bank organized 4 voluntary blood donation camps at Raiya, Baba Budha Sahib, Chogavan and Shaheeda Sahib Gurudwara.

Faculty Development Program



Dr Tejinder Singh and Dr Sahiba Kukreja (MEU Unit) conducted workshops on Competency Based Assessment and Blueprinting as part of in-house faculty development program related to medical education, which was attended by HODs and senior faculty members.

ICMR Project Completed

STS project was completed by Mr. Harmanjot Singh Kalra, MBBS 2nd year student titled 'Is HbA1c a Reliable Diagnostic Marker for Diabetes Mellitus in Patients with Iron Deficiency Anaemia?: A Cross Sectional Study' under the supervision of Dr. Sahiba Kukreja and Dr. Rohit Arora (Biochemistry).

STS project was completed by Ms. Mannat Kang, MBBS final year student titled 'Antimicrobial resistance pattern of aerobic bacterial isolates in blood stream infection in ICU patients of a tertiary care hospital' under the supervision of Dr. Manmeet Kaur Gill (Microbiology).

Awards and Recognitions



Dr Shakeen Singh (Ophthalmology) has been elected President of Punjab Ophthalmological Society.

Dr Richa Ghay Thaman (Physiology) was part of the faculty in FAIMER fellowship onsite program at CMC Ludhiana.



Dr Neeraj Jain (Radiotherapy & Oncology) participated as Chief Guest in Young Radiation Oncologists Conference at Coimbatore.

Scientific Session on 'Know Your Knee'

Faculty members of the Department of Orthopedics delivered talks at Amritsar in a session for practitioners on various aspects of knee problems as follows:



Dr Raj Kumar Aggarwal gave talk on 'CT based management of proximal tibial fracture'. He also chaired a session.
Dr Gagan Khanna gave talk on 'Meniscectomy vs Meniscal Repair'.
Dr Aarti Dewan chaired a session.
Dr Aditya Bhardwaj spoke on 'Nailing in distal femur fracture'.

Conferences/Workshops/Scientific programs

Dr Jasleen Kaur (Dermatology) presented a Poster on 'evaluation of various therapeutic modalities for management of Atrophic Post Acne Scars' in IMCAS Conference at Paris.



Dr Jaskaran Singh Gill (ENT) delivered a talk on 'Calorie-deficient versus strength training diet in weight reduction for patients of Sleep Apnoea' at 72nd AOICON 2020, at Nagpur.

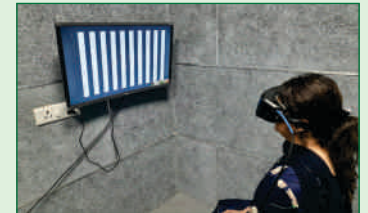
Welcome to new Nursing Students

Sri Guru Ram Das College of Nursing organized welcome to the Nursing students admitted in the session 2019. Prizes were distributed to all the academic position holders. Winners were crowned with the titles: Miss Fresher, Miss Charming and Miss Best Outfit.



Marching Forward....

Department of ENT has recently been equipped with a state-of-art Vertigo Lab. Latest equipment like VNG, facilities for Caloric testing, Positional testing and Cerebellar testing have been provided. Inner ear function testing like BERA, ASSR, Electrocochleography, and Audiological facilities for evaluating pathologies are available.



The international standards of diagnostic and therapeutic management in our vertigo speciality clinic will provide hope to innumerable people suffering from balance disorders.

Dr. A.P. Singh
Dean

Courses

Dr Gagan Khanna (Orthopaedics) completed an Observership in Knee & Shoulder arthroscopy at New Delhi.



Dr Manmeet Kaur Gill (Microbiology), Dr Amandeep Kaur (Biochemistry), Dr. Monika Lalit and Dr. Kanika Sachdeva (Anatomy) completed ACME course from MCI nodal centre for Faculty Development, CMC Ludhiana.



Dr Kawalinder Girgla (Physiology) did IAP - BLS Instructor course from DMC Ludhiana and its first monitoring session in GMC Amritsar. Dr Roopam, Dr Manjeet and Dr Shashi (Physiology) completed the course.

Publications

*Radiology: Arora V, Malik S, Singh K. Role of Diffusion-weighted Magnetic Resonance Imaging in the Evaluation of Anterior Cruciate and Posterior Cruciate Ligament Tears. 10.25259/IJMSR_47_2020.

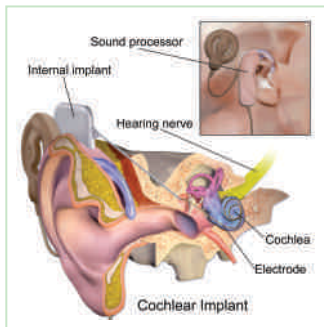
*ENT: Ansari MS, Gill JS, Bons CS, 'Rehabilitation Efforts and Psychological Health of Parents of Children with Deafness' Journal of Disability Management and Rehabilitation: 5(1); 2020.



CASE SCENARIO

Early Cochlear Implantation

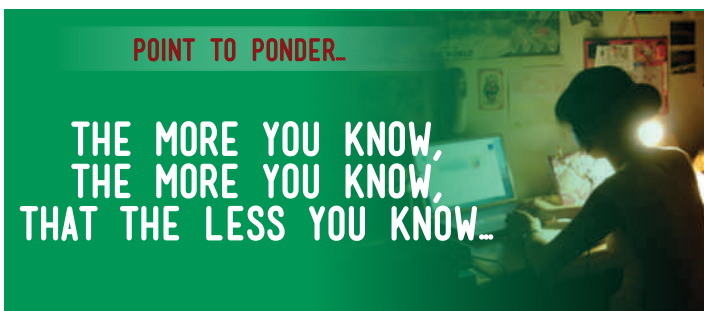
A 2 year boy presented with congenital deafness and inadequate speech. Assessment showed B/L profound sensorineural hearing loss, 16-18 months delayed speech and normal other development. No significant benefit was obtained with amplification devices. Cochlear implant surgery was successfully performed and turned on after 21 days. The boy started responding to loud sounds. Regular speech and language sessions with vigorous monitoring of hearing profile and mapping were done. With active participation of parents, home training programs were also given. After one year of vigorous therapy the child started speaking 4/5 words and phrases and is actively participating in day to day and school activities.



50 implants have been done since May 2018 (31 males, 19 females)

No.	AGE
03	Below 2 Years
11	2 - 3 Years
15	3 - 4 Years
17	4 - 5 Years
02	Above 5 Years
02	Post lingual adults

3 cases had bilateral implants in one sitting. All patients have shown excellent results.



POINT TO PONDER...

**THE MORE YOU KNOW,
THE MORE YOU KNOW,
THAT THE LESS YOU KNOW...**

Q1 - What is a cochlear implant?

A - A cochlear implant is an electronic device to restore the ability to perceive sounds and understand speech in moderate to profound hearing loss. Cochlear implant bypasses damaged hair cells in the cochlea and directly stimulates the remaining nerve fibers electrically.

Q2 - How does a cochlear implant work?

A - A cochlear implant consists of: External components: A microphone that picks up sounds from the environment; a speech processor that analyzes and digitizes sound signals and sends them to a transmitter; and a transmitter worn on the head that sends the signal to the surgically implanted internal receiver. Internal (surgically implanted) components: A receiver/stimulator just under the skin which receives signals from the processor and converts them into electric impulses; an electrode array that receives the signal from the transmitter and stimulates the auditory nerve; the transmitted information is then sent to the brain, which "learns" to interpret the signal as meaningful information.

Q3 - Why not use hearing aids?

A - Hearing aids help the majority of individuals with hearing loss by amplifying sound, but even the most advanced aids may not overcome the hearing difficulties with severe to profound hearing impairment. For some individuals who have useable residual hearing in one ear there is an opportunity to use cochlear implant in one ear and hearing aid in the other.

Q4 - Who is a candidate to receive a cochlear implant?

A - Persons wearing appropriately fit hearing aids cannot understand speech without seeing the speaker's face should be evaluated for cochlear implant. For children, an assessment with severe/profound hearing loss should be made early as outcomes are significantly better with implant at the earliest possible age.

Q5 - Will the child start speaking immediately after surgery?

A - No. The implant processor is activated 3-6 weeks after surgery. Hearing sound through a cochlear implant is often unstable and unpredictable during first months as thresholds change as the quality of sounds change. Depending on age and family support, it usually takes intensive therapy program 1-2 years for speech and language development.

Q6- Are there risks in cochlear implant surgery?

A - Risk is inherent in any surgery requiring general anesthesia. However, the surgical risks for cochlear implantation are minimal and most patients require only a 1-day hospital stay.

Q7- Will more surgery be required as new technology becomes available?

A - The implanted unit is designed to last a lifetime. The externally worn speech processor, which is responsible for converting sound into a code and sending the information to the internal unit, is dependent on software that can be upgraded as technology improves.

Executive Team - SGRD Synapse

- Dr. Daljit Singh (Chairperson),
- Dr. Anupama Mahajan (Vice Principal),
- 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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