

## Report on student centric learning of institute

The students are the core focus of teaching-learning process of institute. The institute has adopted various 4 student-centric methods like experiential learning as follows:

### Experiential learning



( student performing surgery under guidance)



( Student presenting papers)

The learning of post graduate students, nursing students and medical technology students is experience-based.

- Residents learn/perform various invasive/non-invasive procedures and surgeries under the direct guidance of faculty members as teacher; student ratio is 1:3.
- Each of 34 department has a teaching schedule - journal clubs, seminars, case presentations, data-audit and mortality audit daily at 8 am. There are inter-departmental teaching programs like – neuro-radiology, neuro-pathology, nephro-pathology, gastro-pathology, uro-pathology, tumor-pathology (between radiotherapy and pathology), hepato-biliary-pathology, endocrine-pathology, gastro-radiology, cardio-CVTS, cardio-radiology, cardio-nuclear medicine, endocrine-radiology, pulmonary-pathology and immuno-pathology.
- On Saturdays and Wednesdays, Institute organizes Clinical Grand Round (CGR) and Clinical-Pathological Conference (CPC, transmitted online from PGI Chandigarh) respectively, attended by all residents/faculty of the institute. In CGR, by rotation, each department presents important and interesting work of the department for all the residents/faculty of the Institute. This CGR is also relayed to various other institutes across India. Resident doctors do a mandatory peripheral posting in their 3<sup>rd</sup> year in departments of radiology, genetics,

microbiology, clinical immunology, transfusion medicine, hematology and pathology of SGPGIMS and in the departments of psychiatry and pathology (Neurology residents) at KGMU, and for medical autopsy at Command Hospital, Lucknow.

- Students also are trained in extra-curricular activities like sports, music, skit and drama and use them for public awareness like "Nukkad Natak". Several out-reach programs like blood-donation camps, hemophilia awareness program, cancer awareness camps etc., help students experience and learn methodology of awareness programs.

### Patient-centric learning:



(Student examining the patient)



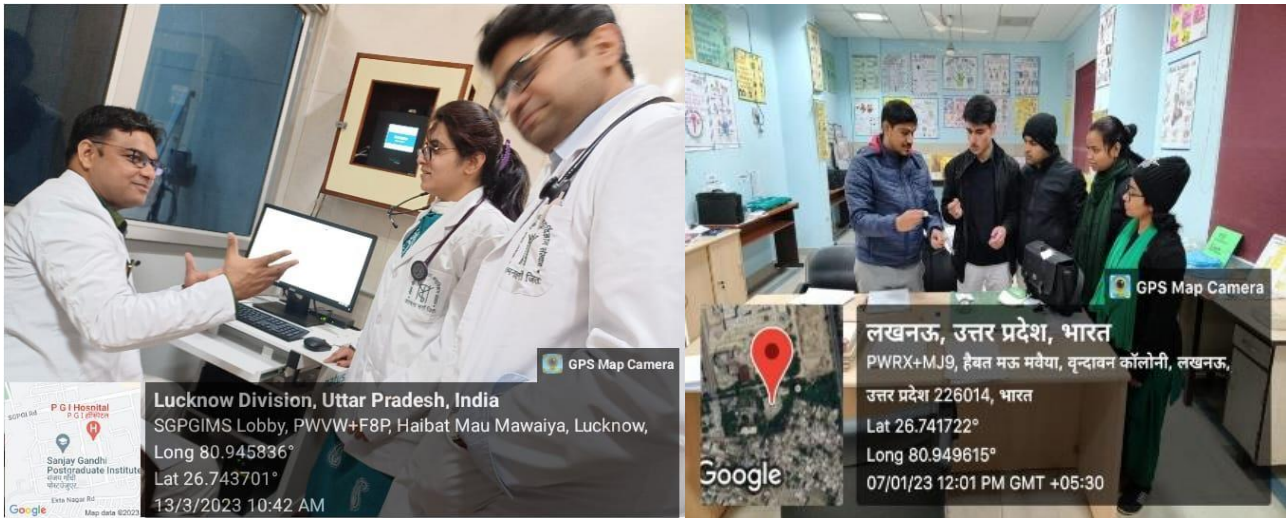
(Students observing live surgery through videoconference)

- The process includes bed-side history taking, examination of patients, and presenting cases to consultants on daily ward rounds. The bed-side patient-centric discussions help the students to analyze history and examination, reach a diagnosis, make a rational treatment plan and communicate the same to the patient and family members. The student gain knowledge based on patients examinations as our OPD ( annual approximately 180000) and IPD ( annual approximately 50000) load is very high.
- The students have a compulsory course on ethics to learn professional, social and research ethics and a course on communication skills.
- Communication with patients/relatives, disclosing unpleasant information to patient's family etc. is an important part of bed-side learning.



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## Evidence based learning



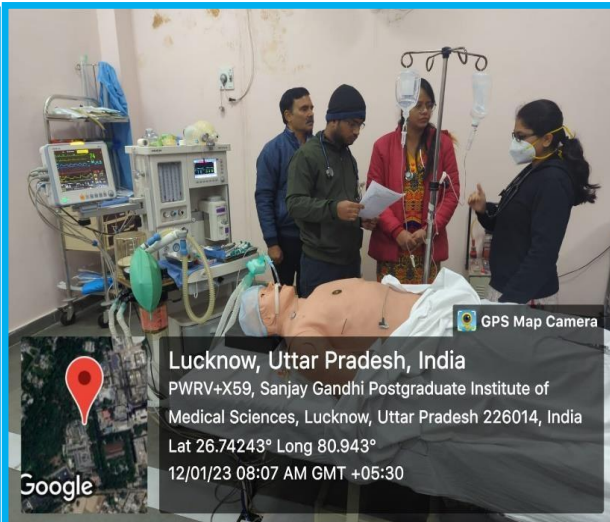
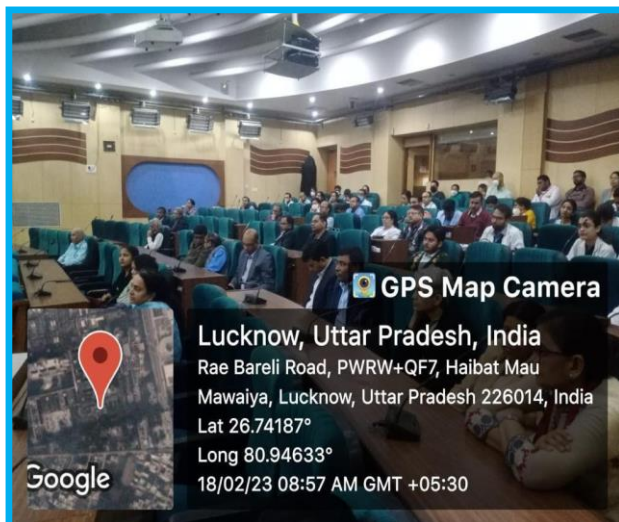
( Neurology students discussing EEG report)

( BSc nursing students learning blood tests)

- The students and resident doctors learn by analyzing patients' radiological tests and laboratory tests in various laboratories attached to clinical and para-clinical departments.
- The MD/MS residents have to do a thesis and DM/MCh residents have to do a project and write one scientific paper to be eligible for writing the examination. Each thesis and scientific paper is reviewed and passed by an external expert.
- Similarly, the hospital administration students also do a project on areas like: disposal of biomedical waste, maintenance of hospital sanitation, behavior with patients/relatives and maintenance of dress-code etc. Institute runs various mandatory and optional value-added courses for students.

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## Problem solving methodology



( Students discussing in interdepartmental meeting)

( Students discussing problems on dummies)

- The students learn real time patient problems and their solution by appropriate investigations and treatment under direct guidance by teachers.
- Also, they learn to perform complex surgeries and laboratory tests under the guidance of experienced mentors. They learn to handle various medical, surgical, statistical, ethical and communication problems.

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