

Hamdard Institute of medical sciences and research

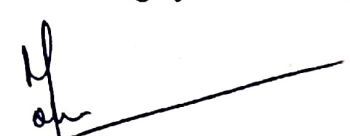
Department of General Surgery

Electives

1	Name of the Electives	Basic Surgical Skills
2	Block	2
3	Department /Area	Department of General Surgery
4	Name of the Mentor/ Supervisor/ Incharge	Prof. (Dr.) M. Mohsin, Department of General Surgery.
5	Co Supervisors	Dr. Tajamul Rashid, Associate Professor, Dr. Syed Mohd. Arif Sheerazi, Assistant Professor Department of General Surgery
6	No. of student intake	05
7	Method of selection (if applicable)	Interview to assess their interest and basic knowledge about the subject
8	Objectives	1. To get familiar with surgical instruments 2. To know about the importance and method of sterilization for the surgical instruments 3. To have the basic idea of ergonomics in operating room 4. To have the knowledge of energy sources in general surgeries 5. To know about the application of different surgical incisions 6. To be able to demonstrate basic surgical skills in skills lab
9	Expected outcomes	To be able to understand the benefits and application of Basic Surgical Skills
10	Assessment	Viva, logbook, assignments, attendance
11	Log book	Regular logbook entry of daily activities


Dr. Syed Mohd. Arif Sheerazi,
Assistant Professor,
Department of General Surgery
(Co Supervisor)


Dr. Tajamul Rashid
Associate Professor,
Department of General Surgery
(Co Supervisor)


Prof. (Dr.) M. Mohsin
Department of General Surgery
(Supervisor)

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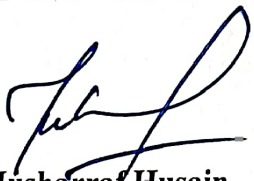
HOD SURGERY



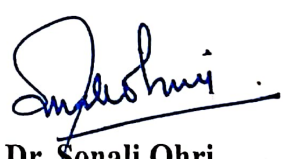
Hamdard Institute of medical sciences and research
Department of General Surgery

Electives

1	Name of the Electives	Minimal Access Surgery
2	Block	2
3	Department /Area	Department of General Surgery
4	Name of the Mentor/ Supervisor/ Incharge	Prof. Musharraf Husain, Department of General Surgery
5	Co Supervisor	Prof. (Dr.) Divya Prasad, Department of General Surgery. Dr. Sonali Ohri, Assistant Professor, Department of General Surgery
6	No. of student intake	05
7	Method of selection (if applicable)	Interview to assess their interest and basic knowledge about the subject
8	Objectives	1. To get familiar with laparoscopic instruments 2. To know about the importance and method of sterilization for the laparoscopic instruments 3. To have the basic idea of ergonomics in laparoscopic surgeries 4. To have the knowledge of energy sources in laparoscopic surgeries 5. To be able to demonstrate basic skills on laparoscopic endo trainer 6. To be able to identify anatomical landmarks of basic laparoscopic surgeries in Operating Room
9	Expected outcomes	To be able to understand the benefits and application of minimal access surgery
10	Assessment	Viva, logbook, assignments and attendance
11	Log book	Regular logbook entry of the daily activities


Dr. Musharraf Husain,
Professor
Department of General
Surgery
(Supervisor)


Dr. Divya Prasad,
Professor
Department of General
Surgery
(Co Supervisor)

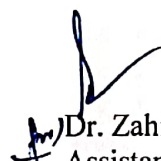

Dr. Sonali Ohri,
Assistant Professor
Department of General
Surgery
(Co Supervisor)

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HOD SURGERY

Hamdard Institute of medical sciences and research
Department of general surgery
Electives

1	Name of the Electives	Plastic Surgery
2	Block	2
3	Department /Area	Department of General Surgery
4	Name of the Mentor/ Supervisor/ Incharge	Dr Zahidah Akhter Assistant Professor Paediatric Surgery
5	Co Supervisor	Dr Vijender Verma Assistant Professor
6	No. of student intake	05
7	Method of selection (if applicable)	Interview to assess their interest and basic knowledge about the subject
8	Objectives	Objectives 1. To make students familiar with various Plastic Surgery procedures 2. To have introduction of various flaps and grafts used in reconstructive procedures. 3. To introduce various plastic surgical principles
9	Expected outcomes	Knowledge of all basic plastic surgery procedures
10	Assessment	Work place based assessment and Viva
11	Log book	Regular logbook entry of the daily activities


Dr. Zahidah Akhter
Assistant Professor,
Department of General Surgery
(Supervisor)


Dr. Vijender Verma
Assistant Professor,
Department of General Surgery
(Co Supervisor)

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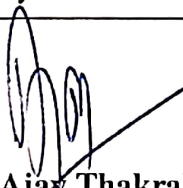

HOD SURGERY

Electives

1	Name of the Electives	Artificial Intelligence in General Surgery (Theory-Based Elective)
2	Block	2
3	Department /Area	Department of General Surgery
4	Name of the Mentor/ Supervisor/ Incharge	Prof. Ajay Kumar Thakral, HOD, Department of General Surgery.
5	Co Supervisors	Dr. Syed Mohammad Salman, Assistant Professor Department of General Surgery
6	No. of student intake	02
7	Method of selection (if applicable)	Interview to assess their interest and basic knowledge about the subject
8	Objectives	At the end of the elective, the student should be able to: 1. Define Artificial Intelligence, Machine Learning and Deep Learning. 2. Explain basic concepts of AI relevant to medicine. 3. Describe present-day applications of AI in General Surgery. 4. Explain the role of AI in diagnosis, imaging and clinical decision support. 5. Discuss AI in laparoscopic and robotic surgery. 6. Understand AI in perioperative care and surgical outcomes. 7. Explain ethical, legal and regulatory issues related to AI. 8. Critically appraise published literature on AI in surgery. 9. Identify limitations and challenges of AI implementation. 10. Describe future directions of AI in surgical practice. The student should develop: - Scientific curiosity. - Ethical awareness. - Responsible use of technology. - Evidence-based thinking.
9	Expected outcomes	To be able to understand the benefits and application of AI in Surgery
10	Assessment	Viva, logbook, assignments, seminar, attendance
11	Log book	Regular logbook entry of daily activities



Dr. S. M. Salman
Assistant Professor,
Department of General Surgery
(Co Supervisor)



Prof. (Dr.) Ajay Thakral
HOD, Dept. of General Surgery,
(Supervisor)