

Department of Surgery
Government Medical College, Nagpur

Lectures for 2nd Professional MBBS Course (2023 batch)

MBBS Phase II

Total Teaching hours: 26 hours

Every Wednesday 8-9 AM.

Batch		Hall		AIT		Teachers Name/ Batch	
Batch A1 = Roll No 1 to 80 Batch A2 = Roll No 81 to 160 Batch B1 = Roll No 161 to 205 Batch B2 = Roll No 205 to 250		Surgery Lecture Hall Plastic Surgery Lecture Hall Surgery Seminar Hall MASICON Hall OT F					
S. NO	Date	TOPICS	COMPETENCIES	SUBTOPICS	LECTURE	AIT	Teachers Name/ Batch
1	09-10-2024	Introductory Lecture		<p>Lecture: 1</p> <p>Welcome History of surgery Introduction to surgery and allied subjects Teaching, Learning & Assessment -CBME</p>			Dr B B Gupta- A1 Dr Arti Mitra- A2 Dr AM Qureshi- B1 Dr N U Jambhulkar-B2
2.	16-10-2024	Metabolic Response to Injury	SU 1.1	<p>Lecture: 2</p> <p>Describe basic concepts of homeostasis, enumerate the metabolic changes in injury and their mediators.</p>	Physiology and Biochemistry		Dr B H Tirpude-A1 Dr P D Bhingare- A2 Dr U A Chandak- B1 Dr S S Changole-B2
3	23-10-2024		SU 1.2	<p>Lecture: 3</p> <p>Describe the factors that affect the metabolic responses to injury.</p>	Biochemistry		Dr N U Jambhulkar-A1 Dr P D Bhingare- A2 Dr U A Chandak- B1 Dr S S Changole-B2
4	06-11-2024	Shock	SU 2.1	<p>Lecture: 4</p> <p>Describe Pathophysiology of shock, types of shock and principles of resuscitation including fluid replacement and monitoring. Define and describe shock, its pathogenesis and its stages</p>	Pathology and Physiology		Dr B H Tirpude-A1 Dr A S Dhurve-A2 Dr R M Bodade-B1 Dr H N Bhanarkar-B2
5.	13-11-2024		SU 2.2	<p>Lecture: 5</p> <p>Describe the clinical features of shock and its appropriate treatment.</p>			Dr B H Tirpude-A1 Dr A S Dhurve-A2 Dr R M Bodade-B1 Dr H N Bhanarkar-B2
6	20-11-2024	Blood and blood components	SU 3.1	<p>Lecture: 6</p> <p>Describe the indications and appropriate use of blood and blood products and complications of blood transfusion. Enumerate blood components and describe their clinical uses</p>	Pathology		Dr A A Wakodkar- A1 Dr M S Soni -A2 Dr P P Ugganlwar- B1 Dr G A Deshpande-B2
7	27-11-2024	Burns	SU 4.1	<p>Lecture: 7</p> <p>Describe pathophysiology of burns. Describe clinical features, diagnose type and extent of burns.</p>	Physiology		Dr A A Wakodkar- A1 Dr M S Soni -A2 Dr P P Ugganlwar- B1 Dr G A Deshpande-B2

Department of Surgery
Government Medical College, Nagpur

S. NO	Date	TOPICS	SUNTOPICS		AIT	Teachers Name/ Batch
			COMPETENCIES	LECTURES		
8	04-12-2024		SU 4.2, 4.3	Lecture: 8 Plan appropriate treatment of burns. Discuss medico-legal aspect in burns injuries.		Dr A A Wardekar -A1 Dr M S Sorni -A2 Dr P P Ugarikarwar - B1 Dr G A Deshpande -B2
9	11-12-2024	Wound healing and wound care	SU 5.1	Lecture: 9 Describe normal wound healing and factors affecting healing. Define and describe the process of repair and regeneration including wound healing and its types. Define and describe the general features of acute and chronic inflammation including stimuli, vascular and cellular events. Enumerate and describe the mediators of acute inflammation	Pathology	Dr B H Tirpude -A1 Dr A S Dhurve -A2 Dr R M Boddade -B1 Dr H N Bhanarkar -B2
			PA5.1 PA4.1 PA4.2			
10	18-12-2024		SU 5.3	Lecture: 10 Differentiate the various types of wounds, plan and observe management of wounds.		Dr B H Tirpude -A1 Dr A S Dhurve -A2 Dr R M Boddade -B1 Dr H N Bhanarkar -B2
11	01-01-2025	Surgical infections	SU 6.1	Lecture: 11 Define and describe the etiology and pathogenesis of surgical infections	Microbiology	Dr Girish Umarre -A1 Dr Prasad Bansod -A2 Dr S B Gupta -B1 Dr Vipin Kursunge -B2
12	08-01-2025		SU 6.1	Lecture: 12 Define and describe the etiology and pathogenesis of surgical infections- HIV-AIDS, Hepatitis, Gas Gangrene etc.	Microbiology	Dr Girish Umarre -A1 Dr Prasad Bansod -A2 Dr S B Gupta -B1 Dr Vipin Kursunge -B2
13	15-01-2025		SU 6.2	Lecture: 13 Enumerate prophylactic and therapeutic antibiotics. Plan appropriate management.		Dr Girish Umarre -A1 Dr Prasad Bansod -A2 Dr S B Gupta -B1 Dr Vipin Kursunge -B2
14	22-01-2025	Investigations of a surgical patient	SU 9.1	Lecture: 14 Choose appropriate biochemical, microbiological, pathological, imaging investigations and interpret the investigative data in a surgical patient. Describe the diagnostic role of cytology and its application in clinical care. Describe the basis of exfoliative cytology including the technique, stains used Describe the etio-pathogenesis and discuss the laboratory diagnosis of infections of genitourinary system	Biochemistry, Microbiology and Pathology	Dr B H Tirpude -A1 Dr A S Dhurve -A2 Dr R M Boddade -B1 Dr H N Bhanarkar -B2
			PA8.1 PA8.2 MI7.1			

Department of Surgery Government Medical College, Nagpur

S. NO	Date	TOPICS	COMPETENCIES	SUBTOPICS	AIT	Teachers Name/ Batch
15	29-01-2025	Nutrition and fluid therapy	SU 12.1	Lecture:15 Enumerate the causes and consequences of malnutrition in the surgical patient.	Physiology	Dr N U Jambhulkar-A1 Dr P D Bhingare- A2 Dr U A Chandak- B1 Dr S S Changole- B2
16	05-02-2025		SU 12.2	Lecture:16 Describe and discuss the methods of estimation and replacement of the fluid and electrolyte requirements in the surgical patients.	Physiology	Dr N U Jambhulkar-A1 Dr P D Bhingare- A2 Dr U A Chandak- B1 Dr S S Changole- B2
17	12-02-2025		SU 12.3	Lecture:17 Discuss the nutritional requirements of surgical patients, the methods of providing nutritional support and their complications.	Biochemistry	Dr N U Jambhulkar-A1 Dr P D Bhingare- A2 Dr U A Chandak- B1 Dr S S Changole- B2
18	05-03-2025	Transplantation	SU 13.1	Lecture: 18 Describe the immunological basis of organ transplantation.	Microbiology	Dr B B Gupta- A1 Dr Arti Mitra- A2 Dr AM Quraishi- B1 Dr N U Jambhulkar- B2
19	12-03-2025		SU 13.2	Lecture: 19 Discuss the principles of immunosuppressive therapy. Enumerate indications, describe surgical principles, management of organ transplantation	Microbiology, Pharmacology	Dr B B Gupta- A1 Dr Arti Mitra- A2 Dr AM Quraishi- B1 Dr N U Jambhulkar- B2
20	19-03-2025	Basic surgical skills	SU 14.1	Lecture: 20 Describe Aseptic techniques, sterilisation and disinfection. Classify and describe the different methods of sterilization and disinfection. Discuss the application of the different methods in the laboratory, in clinical and surgical practice. Choose the most appropriate method of sterilization and disinfection to be used in specific situations in the laboratory, in clinical and surgical practice	Microbiology	Dr Pankaj Tongase-A1 Dr Ankit Agrawal-A2 Dr P Shivsharan-B1 Dr Ashutosh Jadhav- B2
21	26-03-2025	Biohazard disposal	SU 15.1 MI8.7	Lecture: 21 Describe classification of hospital waste and appropriate methods of disposal. Demonstrate Infection control practices and use of Personal Protective Equipment (PPE)	Microbiology	Dr Pankaj Tongase-A1 Dr Ankit Agrawal-A2 Dr P Shivsharan- B1 Dr Ashutosh Jadhav- B2
22	02-04-2025	Trauma	SU 17.1	Lecture: 22 Describe the principles of first aid.		Dr Pankaj Tongase-A1 Dr Ankit Agrawal-A2 Dr P Shivsharan- B1 Dr Ashutosh Jadhav- B2

**Department of Surgery
Government Medical College, Nagpur**

Sl. No.	Date	TOPICS	COMPETENCIES		SUBTOPICS	AIT	Teachers Name/ Batch
23	09-04-2025		SU 17.2				Dr Pankaj Tongase-A1 Dr Ankit Agrawal-A2 Dr P Shivsharan-B1 Dr Ashutosh Jadhav-B2
24	16-04-2025	Skin and Subcutaneous tissue	SU 18.1, SU 18.2, 18.3				Dr A A Wakodkar- A1 Dr M S Soni - A2 Dr P P Uganlawar- B1 Dr G A Deshpande- B2
25	23-04-2025	Vascular diseases	SU27.1				Dr B B Gupta- A1 Dr Arti Mitra- A2 Dr AM Quraishi- B1 Dr N U Jambhulkar- B2

Allynt

**Prof. Head Dept. of Surgery
Govt. Medical College,
Nagpur.**