

**Gandhi Natha Rangji Homoeopathic Medical College & Hospital Solapur**

13, Budhwar Peth Jain Boarding Campus, Balives, Solapur-413011.

Phone College:- [0217] 2624900 E-mail:- gnrhmc09@gmail.com

**Dr.M.S.ANDHALGAONKAR [L.C.E.H. (Bom)]**

Principal

**SANJAY S. GANDHI**

President

**PATHOLOGY****Monthly Teaching Plan****BHMS – II April 2022****June 2022**

<b>Dr. Dhamgunde P.V</b>	<b>Dr. Shweta Khole</b>	<b>Dr. Somani</b>
1) Introduction of Hematology	1) Introduction of Pathology.	1) Microbiology Introduction
2) Components of Blood	2) Subdivisions of Pathology.	2) Bacteria- Bacilli, Cocci, Spirochetes, Fungi.
3) Coagulation defects	3) Structure of Cell, Cell Division, and Cell injury types Reversible, Irreversible.	3) Cultural Media.
4) Bleeding Disorders	4) Degeneration.	4) Methods of Sterilization.
5) Methods of Collection of Blood - Anemia Introduction types, Hemophilia, RH incompatibility	5) Necrosis.	5) Gram's staining.
	6) Gangrene.	6) Acid fast Staining.
	7) Pathological Calcification.	
	1) Cellular adaptations.	
	2) Practical – Hb Estimation, Bleeding time, Clotting time, Blood groups.	
	10) Immunity, Diseases, Component of Immune system	

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	1) Cellular adaptations.	
	2) Practical – Hb Estimation. Bleeding time.	



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## **PATHOLOGY**

**BHMS - II 2022 - 2023**

**July 2022**

<b>Dr. Dhamgunde P.V</b>	<b>Dr. Shweta Khole</b>	<b>Dr. Somani</b>
1) Components of Blood	1) Homodynamic derangement.	1) Gram's Positive Bacteria.
2) Coagulation defects	2) Body fluids, osmotic pressure, Hydrolytic pressure, Acid Base Balance.	2) Staphylococci, Streptococci, Pneumococci.
3) Bleeding Disorders	3) Gibbs - Donne's equilibrium.	3) Gram's negative bacteria - Nesseria Gonorrhoea, E Coli, Shigilla, Salmonella typhi.
4) Methods of Collection of Blood a) Anemia Introduction types, Hemophilia, RH incompatibility ures	4) Oedema - types, Pathogenesis.	4) Infectious diseases.
b) Spread of Tumors.	5) Shock - types, Pathogenesis.	5) Antigen.
c) Carcinogenesis, Carcinogenic agents	6) Thrombosis _ types, Pathogenesis.	6) Antibody.
d) Serological study..	7) Embolism _ types, Pathogenesis.	7) Complement system.
	8) Infraction _ types, Pathogenesis.	8) Immunoglobulin.



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**BHMS - II 2022 - 2023**

**August 2022**

<b>Dr. Dhamgunde P.V</b>	<b>Dr. Shweta Khole</b>	<b>Dr. Somani</b>
Complications of Blood transfusion.	1) Practical - Chemical examination of urine,	Complement system - Definition, properties, components.
1) GIT - Gastritis, Duodenal ulcer, gastric ulcer.	Physical, microscopic, Examination of urine	1) Toxins - exotoxin, endotoxin.
2) Appendicitis	2) Seminars, viva- Inflammation- Acute Inflammation, vascular events	2) Immunity - Active Immunity, Passive Immunity.
3) Peritonitis.		3) Cells of Immunity - Natural killer cells, Neutrophils,
4) RS - Pneumonia types, Etiology.		4) Eosinophils, Basophiles, Macrophages.
5) Emphysema types, pathogenesis.		5) Innate Immunity types.
6) Bronchial Asthma.		6) Hypersensitivity - deficiency, types.
7) Bronchiectasis.		7) Immunodeficiency diseases - definition, types.
8) CVS - Heart failure, Definition, Etiology.		8) Autoimmunity - definition, types
9) Ischemic heart disease - Definition, Etiology.		
10) Angina Pectoris, definition, clinical patterns.		
11) Acute myocardial infarction.		
12) Rheumatic fever.		
13) Bacterial Endocarditic.		
16) Pericarditis cellular events.		
17) Chemical mediators of Inflammation		
18) Chronic Inflammation - Tuberculosis		



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**BHMS - II 2022 - 2023**

**Sept. 2022**

<b>Dr. Dhamgunde P.V</b>	<b>Dr. Shweta Khole</b>	<b>Dr. Somani</b>
Disease of blood vessels & Lymphatic; Artherosclerosis, Varicosities, Thrombophlebitis, Lymphoedema.	1) Demonstration of slides - histopathology, parasite, microbiology.	1) Parasites, protozoa, entamoeba histolytica, Giardia intestinal is, malarial parasite types.
1) Diseases of eye - Style, Chalazian, endophthalmitis, Conjunctivitis	2) Gram's staining, acid Fast staining.	2) Leishmania Donovanii.
2) Ear - obits media.	3) Hyperlipidaemia & lipidosis - lipoproteins & their role.	3) Helminthes - Cestodes - Taenia saginata, Taenia soluem, Echinococcus granulose.
3) Acute rhinitis, Allergic rhinitis, Sinusitis, Tonsillitis, Quinsy.	4) Tutorials on General, Systematic pathology.	
4) Diseases of oral cavity & Salivary glands, steatitis, glossitis, sialadenitis.	5) Refraction with FMT medicine department.	
5) Diseases of pancreas - Acute & chronic pancreatitis, Diabetes mellitus		



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**BHMS - II 2022 - 2023**

**Oct. 2022**

<b>Dr. Dhamgunde P.V</b>	<b>Dr. Shweta Khole</b>	<b>Dr. Somani</b>
1) Excretory System – Chronic renal failure, Glomerula disease, Nephritic, Nephritic syndrome.	Practical – Simple staining stool exam, demonstration of spotting, tutorials	1) Serological test.
2) Renal vascular disease – HTN Nephrolithiasis.	2) Disorders of metabolism – bilirubin metabolism	2) Clinical Microbiology – Immunoprophylaxis.
3) Malnutrition & deficiency diseases, protein energy malnutrition, vitamin deficiency	3) Diseases of calcium metabolism	3) Definition – Artificial active immunity.
4) Diseases of Male Reproductive system – Orchitis, Epididymis, Balanoposthitis, Prostitutes.	4) Diseases of Male Reproductive System – Orchitis, Epididymis, Balanoposthitis, Prostitutes.	4) Vaccines – Definition.
		5) Bacterial & Viral vaccines.
		Artificial Passive immunity.
		6) Examination of blood & stool.
		7) Culture methods streak, stroke, stab pour plate, culture method.
		8) Animal inoculation & Antimicrobial chemotherapy.



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### PATHOLOGY

BHMS - II 2022 - 2023

Nov. 2022

Dr. Dhamgunde P.V	Dr. Shweta Khole	Dr. Somani
1) Diseases of glands - Thyroid	Neoplasia - Definition, Basic components of neoplasia, Classification of tumors, characteristics of tumors, routes of metastasis, grading of Cancer. Complement system - Definition, properties, components.	1) Staging of Cancer, Carcinogenesis.
	1) Toxins - Exotoxin, Endotoxin.	2) Difference between benign & malignant tumors.
2) Diseases of skin soft tissue & Nervous system - Derma tone Squamish cell carcinoma	2) Immunity - Active Immunity, Passive Immunity.	3) Lymphatic spread, Hematogenous spread, and Transcoelomic spread.
3) Breast - Acute mastitis breast Abscess fibro adenoma of breast	3) Cells of Immunity - Natural killer cells, Neutrophils	4) Pathological Diagnosis of Cancer.
	4) Eosinophils, Basophiles, Macrophages.	5) Exfoliative cytology FNA
	5) Innate Immunity types.	6) Trematodes - Schistosoma haematobium, schistosoma mansoni, paragonimus westermani
	6) Hypersensitivity - deficiency, types.	6) Nematodes
	7) Immunodeficiency diseases - definition, types. Autoimmunity - definition, types	7) 7 Ascaries Lumbricoides, Enterobius vermicularies, wuchereria Bancrofti, Trichuria trichuris.



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## Pathology

**BHMS - II 2022 - 2023**

**December 2022**

<b>Dr. Dhamgunde P.V</b>	<b>Dr. Shweta Khole</b>	<b>Dr. Somani</b>
1) Diseases of musculoskeletal system phylogenic osteomyelitis, osteoporosis, osteoarthritis, Rheumatoid Arthritis Osteosarcoma	1) Tutorials. 2) Seminars.	1) Papillona virus. 2) Influenza virus.
2) Leprosy - Classification of Leprosy mode of Transmission, Difference between Lepromatous & Tuberculoid leprosy	3) Journal checking.	3) Polio virus.
	4) Practical.	4) Rhino virus.
	5) Demonstration of Spotting.	5) Rubella virus.
	6) Virus - Structure of virus, properties, classification.	6) Mumps virus.
	epatitis virus, Herpes Simplex.	

<b>Dr. Dhamgunde P.V</b>	<b>Dr. Shweta Khole</b>	<b>Dr. Somani</b>
Histopathology - Techniques ex fixation, embedding, sectioning, staining by common dyes & stains, frozen section & their importance.	1) Virus.	Healing - wound primary, secondary, granulation tissue formation.
1) Types & sources of infection, modes of transmission of infection, pathogenicity virulence, determinants of virulence	2) Human Immunodeficiency virus.	2) Repair, Regeneration
2) Uses of Phenol derivatives Methyl alcohol, Iodine, Chlorine.	3) Dengue virus.	3) Healing of Fractures, Nervous tissue muscles, mucosal surface, solid epithelial organs.
3) Formaldehyde, Glutaraldehyde, Ethylene oxide.	4) Chickengunya virus.	4) Complications of wound healing
	5) Prelim paper setting.	
	6) Demonstration of spotting	
	7) Practical	



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