

JSS MEDICAL COLLEGE, MYSORE

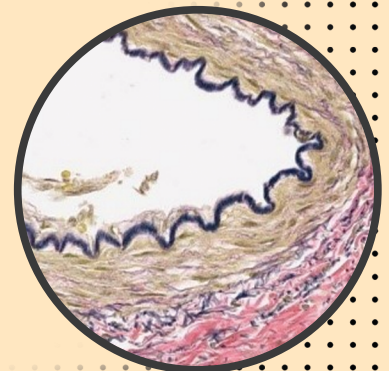
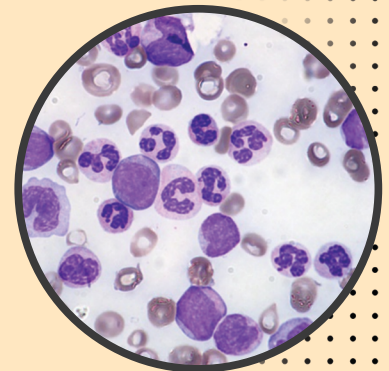
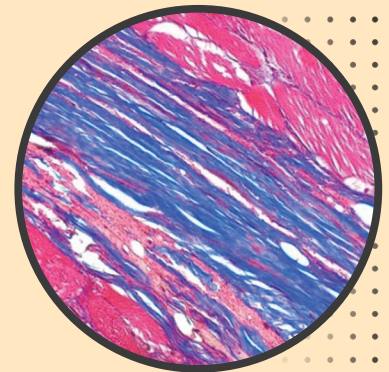
DEPARTMENT OF ANATOMY

BASIC PRINCIPLES OF SPECIAL STAINS AND ITS APPLICATIONS

COURSE CODE: VMCAN02

OBJECTIVE

Routine H&E staining helps to identify the tissue profile. But it is difficult to specifically differentiate connective tissue fibers, smooth muscle and nerve tissue by using H&E stain alone. Special stains help us to particularly identify the aforementioned tissues which have critical usage in research. Hence, the purpose of this course is to orient and enrich the students with the knowledge of special stains and its application in the study of normal tissues. This will further help to explore research opportunities in microscopic anatomy.



CO-ORDINATORS

- Dr. Pushpa NB
- Dr. MV Ravishankar
- Mr. Manjunatha HN

COURSE DETAILS

Title - Basic principles of special stains and its applications

Course Code - VMCAN02

Duration - 15 hours

Registration - Free but mandatory

Eligibility - MBBS, MD Anatomy, MSc (Medical sciences), BDS, BPT, BSc Nursing, BSc AHS students, Ph D scholars

Mode of class - Hybrid mode

Start date:

Offline - 20th January 2024

Online - 22nd to 25th January 2024, Timings - 4:30pm to 6:30pm
21st & 26th January 2024, Timings - 9am to 12pm

Register - <https://forms.gle/GEC83gmehrq86RKd8>

The students who will successfully complete the course shall be awarded with a certificate duly signed by the authorized signatories

Sl. No.	Topic	Method of Teaching	Duration
1.	Introduction to staining	Theory	1 hr.
2.	Basic tissues of body - connective tissue, muscle tissue, nervous tissue	Theory	1 hr.
3.	Basics of tissue processing & staining	Theory	1 hr.
4.	Introduction to special stains	Theory	1 hr.
5.	Types & application of special stains	Theory	1 hr.
6.	Principles and application of Von Geison's staining	Theory	1 hr.
7.	Principles and application of Verhoeff's staining	Theory	1 hr.
8.	Principles and application of Geimsa staining	Theory	1 hr.
9.	Principles and application of Masson trichrome stain	Theory	1 hr.
10.	Principles and application of Cresyl Violet stain	Theory	1 hr.
11.	Principles and application of silver staining	Theory	1 hr.
12.	Demonstration of Von Geison's, Verhoeff's, Geimsa, Masson trichrome, Cresyl Violet and Silver stain	Practical	3 hr.
13.	Assessment	-	1 hr.