



**D Y PATIL**  
D E D I C A T E D T O B E  
**UNIVERSITY**  
— SCHOOL OF —  
**MEDICINE**  
NAVI MUMBAI

## **COURSE OUTCOME – ANATOMY**

At the end of the course, the student will be able to:

- 1) Comprehend the normal disposition, inter-relationships, gross, functional and applied anatomy of the various structures in the body.
- 2) Identify the microscopic structures of various tissues and organs in the human body and correlate the structure with the functions as a prerequisite for understanding the altered state in various disease processes.
- 3) Comprehend the basic structure and connections between the various parts of the central nervous system so as to analyse the integrative and regulative functions of the organs and systems.
- 4) To understand the basic principles of embryology including genetic inheritance and stages involved in development of the organs and systems from time of conception till birth.
- 5) Recognize the critical stages of normal development and the effects of common teratogens, genetic mutations and environmental hazards on it.
- 6) Explain the developmental basis of the occurrence of major variations, abnormalities and the congenital anomalies.
- 7) Describe gross anatomy of the entire body including upper limb, lower limb, thorax, abdomen, pelvis, perineum, head and neck, brain and spinal cord.
- 8) Describe the process of gametogenesis, fertilization, implantation and placenta formation in early human embryonic development.
- 9) Able to interpret various radiographs of the body normal CT scans, ultrasound and MRI scans.

10) Demonstrate knowledge about identification of human bones, determination of sex, age and height for medico legal application.

11) Identify, locate and demonstrate surface marking of clinically important structures in the cadaver and correlate it with living anatomy.

12) Locate and identify clinically relevant structures in dissected cadavers as well as locate and identify cells and tissues under the microscope.

13) Demonstrate various movements at the important joints and actions of various groups of muscles in the human body.