



FOUNDATIONS OF DENTAL MEDICINE



About Us

Welcome to MHPPro Academy, India's premier online learning platform dedicated to advancing medical education for medical professionals and students. We specialize in providing high-quality, accredited courses across various medical disciplines, including Dentistry, Aesthetic Medicine, and more.

At MHPPro Academy, we are committed to empowering medical professionals and medical students with the latest knowledge and skills required to excel in their respective fields. Our goal is to bridge the gap between academic learning and real-world clinical practice through evidence-based online learning provided by leading experts in the field.

Why Choose MHPPro Academy?

- **Expert-Led Curriculum:** Courses designed and delivered by renowned medical professionals and subject matter experts.
- **Accredited Programs:** Our courses are endorsed by prestigious medical associations and professional bodies.
- **Flexible Online Learning:** Study at your own pace with comprehensive video lectures, study notes, and quizzes.
- **Industry Recognition:** Certifications are recognized by leading medical associations, ensuring credibility and value.
- **Career Advancement:** Enhance your skills, earn recognized credentials, and boost your professional growth.



Course Introduction

Welcome to the Foundations of Dental Medicine Course Series, designed to establish a strong foundation in dentistry. This course covers the vital functions of physiology, detailed anatomy, and the biochemical processes essential for understanding health. You will also study oral histology and dental anatomy, linking theoretical knowledge to clinical practice. Emphasis is placed on the interconnectedness of oral and systemic health. Prepare to engage deeply with the human body and its relevance to dental care



Learning Objectives:

- Understand Fundamental Concepts: Grasp the basic principles of human physiology, anatomy, and biochemistry as they relate to dental health.
- Explore Oral Histology: Study the microscopic structures of the oral cavity and identify their functions in maintaining oral health.
- Integrate Theory with Practice: Connect theoretical knowledge to clinical practice, preparing for future patient interactions.
- Recognize Systemic Implications: Understand how systemic conditions can manifest through oral symptoms and the importance of holistic patient care.
- Develop Critical Thinking: Enhance problem-solving and critical thinking skills necessary for effective diagnosis and treatment planning in dentistry

Learning Outcomes:

- Foundational Knowledge: Demonstrate a solid understanding of the fundamental principles of physiology, anatomy, and biochemistry related to dental health.
- Histological Proficiency: Identify and describe the histological structures of the oral cavity and their relevance to dental practice.
- Clinical Application: Apply theoretical knowledge in simulated clinical settings, effectively preparing for real-world patient care scenarios.
- Holistic Health Awareness: Recognize the links between oral health and systemic conditions, enabling a comprehensive approach to patient assessment and treatment.
- Enhanced Analytical Skills: Exhibit improved critical thinking and problem-solving abilities in diagnosing oral conditions and planning appropriate interventions.

Who should take up this course?

BDS

MDS

DENTAL STUDENTS

DENTAL PROFESSIONALS

Course Director



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Course Authors



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Medical Officer, Centre for Chronic Disease Control (CCDC), Chennai

Curriculum

Course Title: Dental Science 1st Year

Module:

Chapter:

ORAL HISTOLOGY & DENTAL ANATOMY

- Formulae of teeth, surfaces, line angles and point angles
- Anatomical land marks, chronology of teeth
- Evolution of teeth, comparative dental anatomy, tooth numbering system
- Difference between primary and permanent teeth
- Deciduous dentition
- Permanent dentition- 1
- Permanent dentition- 2
- Dental occlusion
- Development of teeth
- Enamel
- Dentin
- Pulp
- Cementum
- Bone
- Periodontal ligament
- Oral mucous membrane
- Salivary glands
- Teeth eruption and shedding
- TMJ
- Maxillary sinus

BIOCHEMISTRY

- Carbohydrates & its Metabolism
- Proteins
- Hemoglobin & plasma proteins
- Lipids

Curriculum

Course Title: Dental Science 1st Year

Module:

Chapter:

BIOCHEMISTRY

- Enzymes
- Vitamins- Fat Soluble Vitamins
- Vitamins- Water Soluble Vitamins
- Minerals- 1
- Minerals- 2
- Energy metabolism & nutrition
- Hormones
- Liver function & renal function test
- Inborn errors of metabolism

ANATOMY & EMBRYOLOGY

- Larynx
- Pharynx
- Posterior Triangles of head and neck
- Anterior Triangles of head and neck
- Orbit and lacrimal apparatus
- Parotid and infratemporal region
- Submandibular region
- Nasal septa & nasal cavity
- Embryology
- Brain & spinal cord
- Osteology
- Cranial Nerves
- Ear
- Muscles
- Vessels

Curriculum

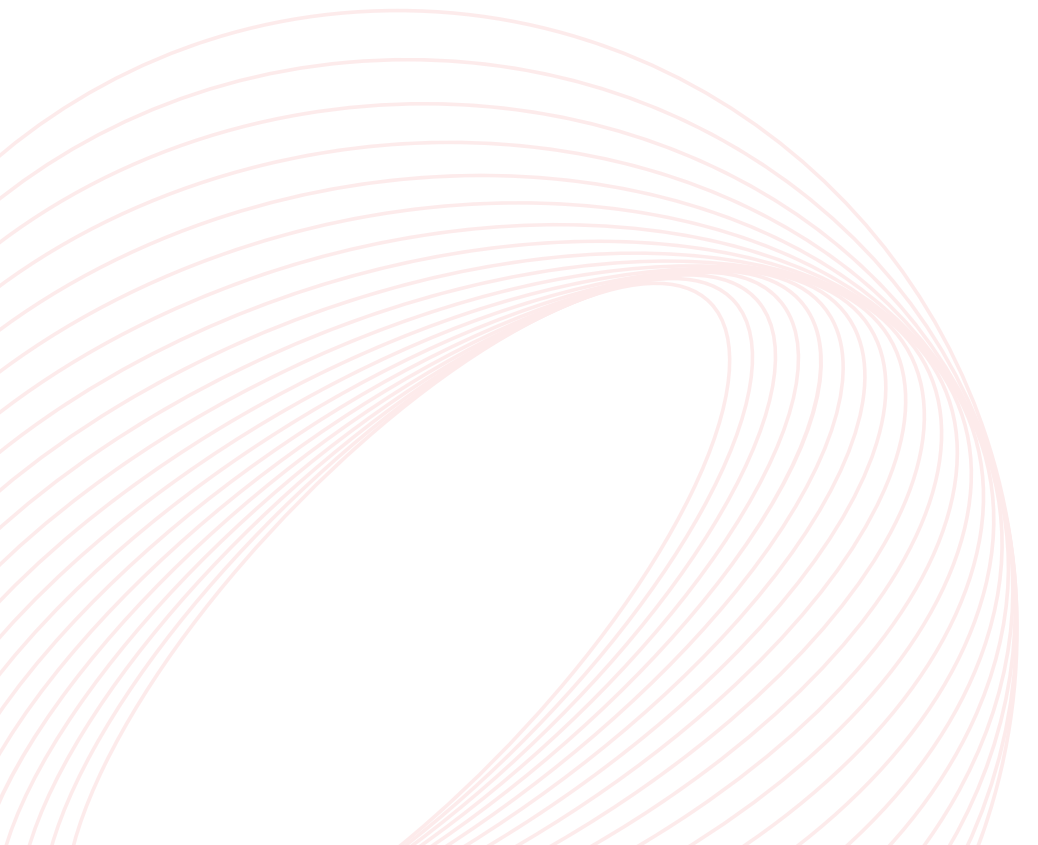
Course Title: Dental Science 1st Year

Module:

PHYSIOLOGY

Chapter:

- Cellular physiology, Body fluids and Membrane transport
- Blood
- Cardio vascular system
- Excretory system
- Respiratory system
- GIT
- Vitamins & metabolism
- Endocrine
- Nerve & muscle
- Special senses



Certificate Sample



CERTIFICATE OF COMPLETION

This is to certify that **YOUR NAME** has successfully completed the course in
FOUNDATIONS OF D on DD/MM/YYYY

Credits: 23 CPD Hours

Certified by MasterHealthPro

Dr. Chandresh Shukla
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Association of India (DSA)

Dr. Jatin Aneja
President, Dental Students Welfare
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Dr. Devashree Shukla
Course Director

Suresh Elangovan
President & CEO

In Association with



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ASSOCIATION OF INDIA



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