

# UG Med

Content, platforms and services to comprehensively support undergraduate medical education.



Digital books that support formal instruction as also self directed learning. Including horizontally, vertically integrated learning materials. Specific learning objectives etc.



Over 5000 audio-video lectures: with illustrations, animations, charts, procedure videos, etc.



Extensive portfolio of early clinical exposure modules.



A comprehensive set of laboratory sessions, anatomy cadaver dissections and clinical DOAPs (Demonstrate, Observe, Assist, Perform) sessions, Audio-video, text based narrations.



Over 500 Bedside clinics: Text based and Audio-visual modules on case scenarios in a clinical setting.



Certifiable skills: 82 essential, video based lessons for psychomotor learning, performed on volunteers, mannikins or patients complete with log books, check lists.



Materials for small group discussions, along with facilitator guidelines, for each of 2000+ sessions, based on cases, tasks or puzzles.



Assessments and analytics: AV sessions for swift revision, comprehensive; indexed question banks, assessments in exam conditions; performance analytics.



For Institution: Easy to use Learning Management System; learning content management, class administration; an assessments/evaluation/ reporting system.

**Comprehensive and curriculum-based, combining Audio-video, text, exhibits**



- Easy to deploy and follow, peer-reviewed, periodically updated
- Richly illustrated, succinctly written, available in different languages
- Specific learning objectives, integration notes, with videos, animations etc.
- Ideal for faculty to teach in an online, or a physical room, also well suited for self study / small group learning (Remedial / supplementary education)
- Question banks for self assessment, also indexation based on requirements of formative / summative / exit exam requirements

**Online teaching, interactive learning course admin support, and some customisation**

Two-column format: Succinct notes with corresponding exhibits

Pictures, Illustrations, Videos, Cases, etc. (Click to expand)

CBME Competency Title

**Deep Structures in the Neck**

Histology

- Each lobe of thyroid gland is divided into various lobules by fibrous tissue septa
- Each lobule is made up of an aggregation of several follicles
- Each follicle is lined by follicular cells and parafollicular cells

Feature	Description
Follicles	<ul style="list-style-type: none"> <li>• Spherical follicles that selectively absorb iodine (as iodide ions, I<sup>-</sup>) from the blood for production of thyroid hormones</li> <li>• Twenty-five percent of all the body's iodide ions are in the thyroid gland</li> <li>• Inside the follicles, colloid serves as a reservoir of materials for thyroid hormone production and, to a lesser extent, act as a reservoir for the hormones themselves</li> <li>• Colloid is rich in a protein called thyroglobulin</li> </ul>
Thyroid epithelial cells (or "follicular cells")	<ul style="list-style-type: none"> <li>• Follicles are surrounded by a single layer of thyroid epithelial cells, which secrete T3 and T4</li> <li>• When the gland is not secreting T3/T4 (inactive), the epithelial cells range from low columnar to cuboidal cells</li> <li>• When active, the epithelial cells become tall columnar cells</li> </ul>
Parafollicular cells (or "C cells")	<ul style="list-style-type: none"> <li>• Scattered among follicular cells and in spaces between the spherical follicles is another type of thyroid cell, parafollicular cells, which secrete calcitonin.</li> </ul>

CBME Competency Number

AN35.2

Page 11 | 11

AV Lectures Objectives Horizontal Integration Physiology Biochemistry Vertical Integration Genes/ery

Related Audio-visual Lectures with animations, line diagrams, charts, etc.

Specific Learning Objectives

Integration topics (Succinctly presented with exhibits and text)

**Other offerings from Medisys Edutech**

**UG Dental:** A compilation of e-learning sessions that comprehensively cover the complete BDS curriculum: AV lectures, digital books, a vast array of procedure videos, assessments, etc.

**UG Nursing:** A compilation of e-learning sessions that comprehensively cover the complete BSc curriculum: AV lectures, digital books, a vast array of procedure videos, assessments, care plans, etc.

**UG Homoeo:** A compilation of e-Learning sessions that comprehensively cover the complete BHMS curriculum.

**Continuing Education:** A vast range of courses, from 2 weeks to 1 year duration leading to certificates/diplomas, in online/blended delivery mode, Primarily intended for GP/family medicine practice.

Medisys Edutech Private Limited

3A, Hyndava Techno Park, Plot No. 12, Phase - 2, Hi-Tech City

Madhapur, Hyderabad - 500 081, Telangana, India

Tel: +91 9959113024, 9550339896 | Email: info@medisysedutech.com

[www.medisysedutech.com](http://www.medisysedutech.com)