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Textbook of Human Anatomy

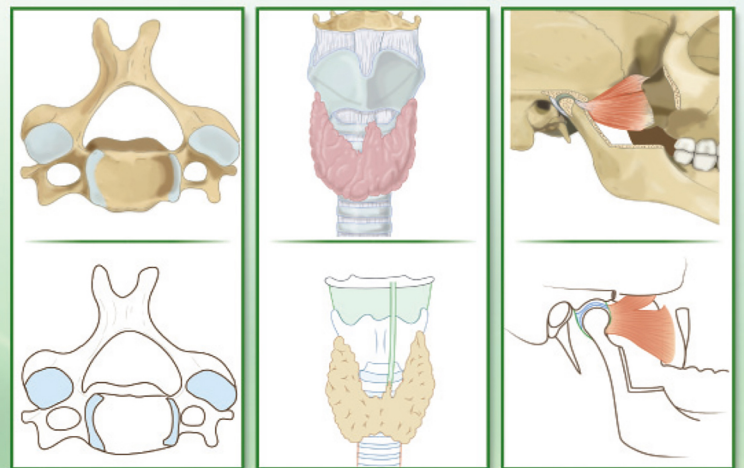
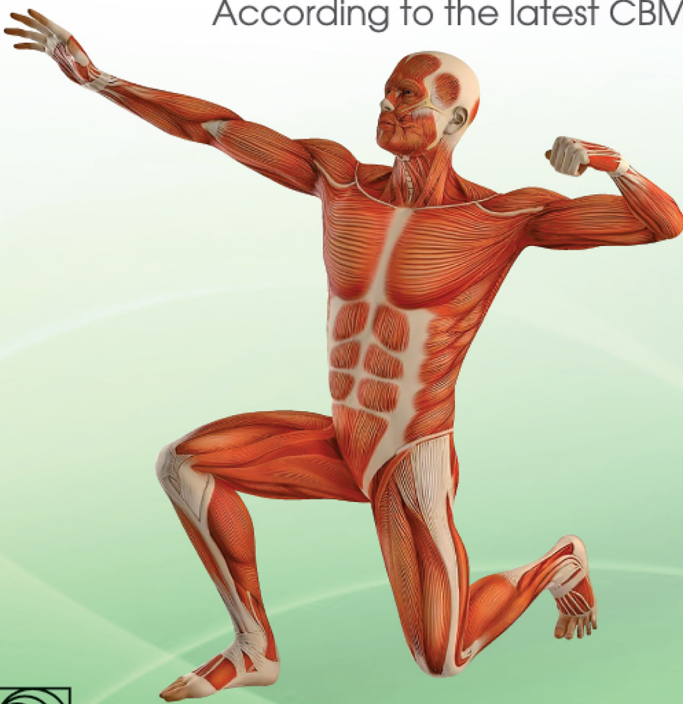
Volume
5



with COLOR ATLAS and Clinical Integration

Head, Neck and Face

According to the latest CBME Guidelines | Competency based Undergraduate Curriculum for the Indian Medical Graduate



Yogesh Sontakke



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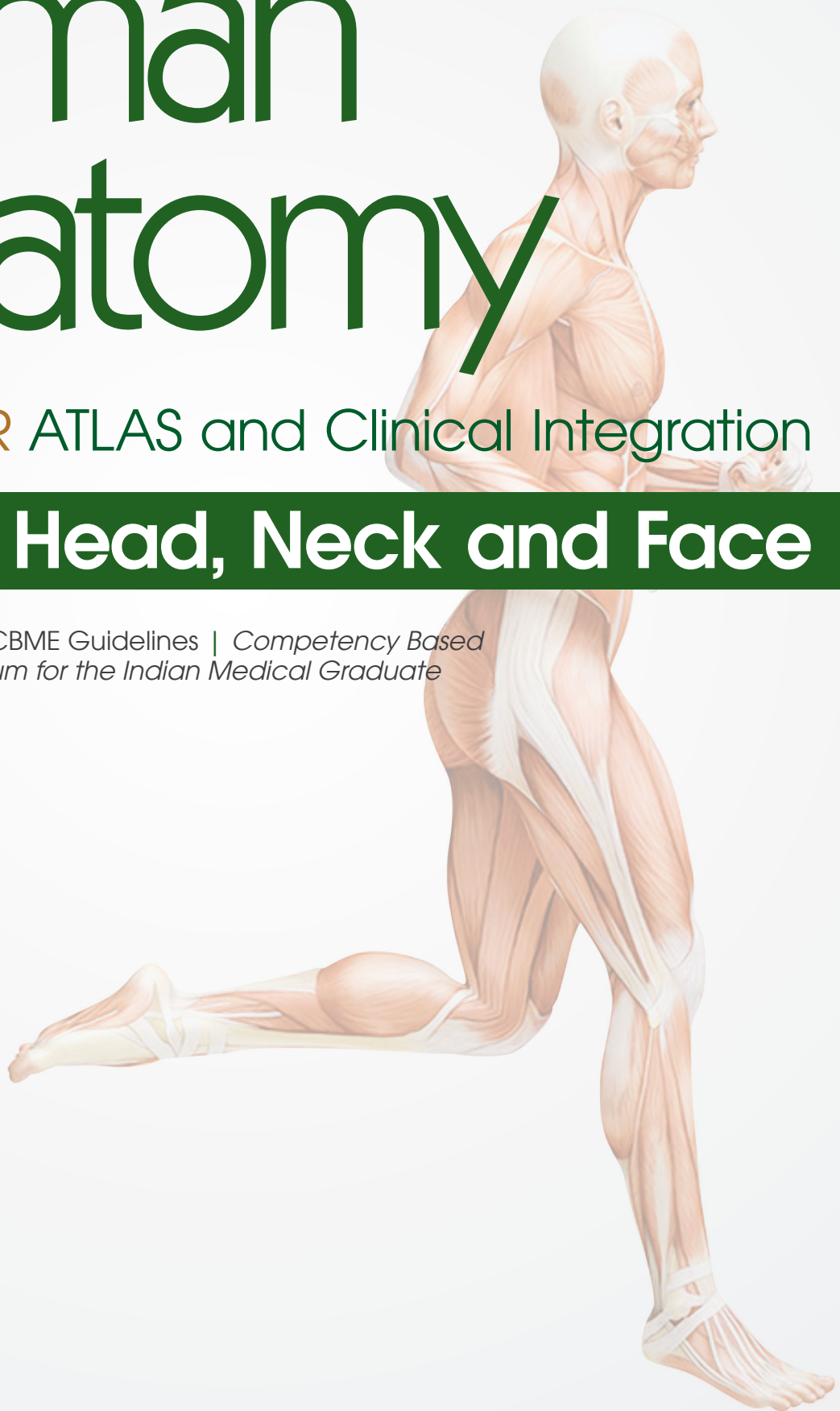
Volume 5

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Volume 1: Upper Limb

Volume 2: Thorax

Volume 3: Lower Limb

Volume 4: Abdomen and Pelvis

Volume 5: Head, Neck and Face ■

Volume 6: Brain

Volume 5

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The *Textbook of Human Anatomy* is written to solve the common difficulties faced by the students about learning and acquiring the knowledge of anatomy. In the available time, it is difficult for the students to read multiple books, atlases, examination preparatory manuals and journals, and revise the subject.

This textbook is supported with atlas-like illustrations that will facilitate understanding of the anatomical structures, simple line diagrams that are easy to draw and reproduce in the examinations. The textbook is prepared in such a way that the student goes through each topic four times in a single reading: 1. Text → 2. Color illustrations → 3. Simple line diagrams → 4. Flowcharts. It will help to memorize the topic easily. Fast revision can be planned with flowcharts. The questions and markings in the text will assist the student for examination preparation.

Clinical integration is the need of the time. In this book, knowledge is clinically integrated using simple diagrams that will help to create pictorial memory. Changes in terminologies are incorporated as per the recent suggestions of *Federative Committee on Anatomical Terminology* and *International Federation of Associations of Anatomists*.

The book is divided into six volumes for the convenience of handling as follows: Volume 1: Upper Limb, Volume 2: Thorax, Volume 3: Lower Limb, Volume 4: Abdomen and Pelvis, Volume 5: Head, Neck and Face, and Volume 6: Brain.

The content of the *Textbook of Human Anatomy* adequately meets the requirements of the latest *Competency based Undergraduate Curriculum for the Indian Medical Graduate*.¹ The topics are divided into small chapters to generate the confidence in the learner and follow the Miller's pyramid.² It helps to train the students to achieve the required levels of the given competencies: Knows (K), knows how (KH), and shows how, with the help of included domains of learning, knowledge (K) and skills (S). To fulfil the need for curriculum, requirements of the students and the field of medicine, this textbook characterises the following features:

- A complete **text** on the subject for undergraduate medical students.
- **Concise text** with functional correlation for quick recapitulation during examination (horizontal integration).
- **Color atlas illustrations** provide easy imagining of anatomical structures.
- **Line diagrams** are easy to draw figures for theory examination.
- **Clinical integration** provides early clinical exposure and an orientation towards the pathogenesis of the disease (vertical integration).
- **Flowcharts** help to revise and memorize the text and to overcome the difficulty of summarising the facts in theory examinations and consolidation of knowledge.
- **NEXT, MCQ, Viva Voce, Spotters** and **Clinical fact** markings for preparation of various upcoming academic, qualifying or entrance examinations.
- **Boxes** provide focus on important topics.
- **Interesting facts** isolate them from the main text so that these facts should not be missed and ease the burden.

Any suggestions from the readers for rectification and improvement are welcome.

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¹Medical Council of India, Competency based Undergraduate Curriculum for the Indian Medical Graduate, 2018. Vol 1; pg 41–80.

²Miller GE. The assessment of clinical skills/competence/performance. Acad Med 1990;65(9 Suppl):S63–7.

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AN43.3	Identify, describe and draw microanatomy of olfactory epithelium, eyelid, lip, sclero-corneal junction, optic nerve, cochlea-organ of Corti, pineal gland.	36, 37
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AN43.5	Demonstrate: (1) Testing of muscles of facial expression, extraocular muscles, muscles of mastication, (2) palpation of carotid arteries, facial artery, superficial temporal artery, (3) location of internal and external jugular veins, (4) location of hyoid bone, thyroid cartilage, and cricoid cartilage with their vertebral levels.	38
AN43.6	Demonstrate surface projection of: Thyroid gland, parotid gland and duct, pterion, common carotid artery, internal jugular vein, subclavian vein, external jugular vein, facial artery in the face and accessory nerve.	38
AN43.7	Identify the anatomical structures in: (1) plain X-ray skull; (2) AP view and lateral view, (3) plain X-ray cervical spine – AP and lateral view, (4) plain X-ray of paranasal sinuses.	39
AN43.8	Describe the anatomical route used for carotid angiogram.	39
AN52.1	Describe and identify the microanatomical features of gastrointestinal system: Esophagus, ...	16
AN70.2	Identify the lymphoid tissue under the microscope and describe microanatomy of lymph node, spleen, thymus, tonsil, and correlate the structure with function.	16

