

Textbook of Human Anatomy

with COLOR ATLAS and Clinical Integration

Volume 5

Head, Neck and Face

has been written to solve the difficulties faced by the students about learning and acquiring knowledge of anatomy. This book resolves the need of referring to multiple books. The most common concerns of the students are the necessity of atlas for better understanding, simple line diagrams for practice and recapitulation during examination, requirement of flowcharts for rapid revision, difficulty in understanding anatomical basis of the diseases, and need of advanced knowledge.

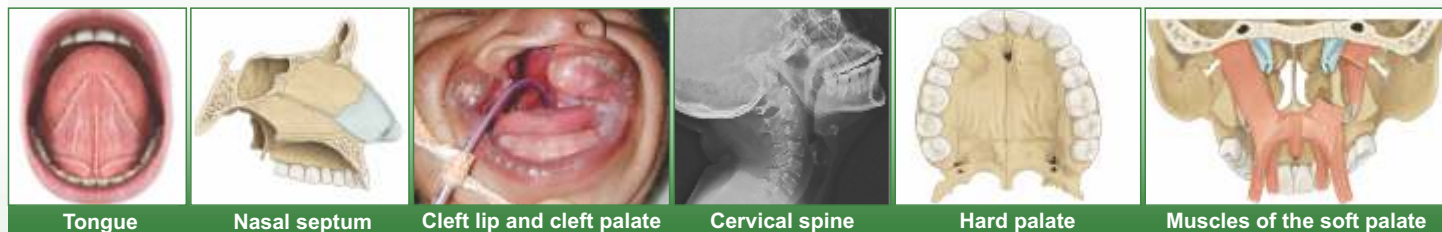
Text, graphics and clinical integration adequately meet the requirements of the latest **Competency Based Undergraduate Curriculum for the Indian Medical Graduate** prescribed by the National Medical Commission.

With **610** illustrations and images, the salient features of this book are:

- § A complete **textbook** on the subject for undergraduate medical students.
- § **Concise text** with functional correlation for quick recapitulation during examination (horizontal integration).
- § **203 Color atlas illustrations** provide easy imagining of anatomical structures.
- § **333 Line diagrams** are easy to draw figures for theory examination.
- § **Clinical integration (92 clinical figures)** provides early clinical exposure and an orientation towards the pathogenesis of the disease (vertical integration).
- § **150 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 questions, Spotters** and **Clinical fact** markings for preparation of various upcoming academic entrance examinations.
- § **70 Boxes** provide focus on important topics.
- § **Interesting facts** to isolate them from the main text so that these facts should not be missed and ease the burden of text during revision.
- § To focus clinical utility and exam preparation, separate chapters on scalp, last four cranial nerves, nerves and vessels of orbit, paranasal air sinuses, individual cranial bones, and internal ear and other topics such as styloid apparatus, auditory tube, and pterygopalatine fossa are included.

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Textbook of Human Anatomy

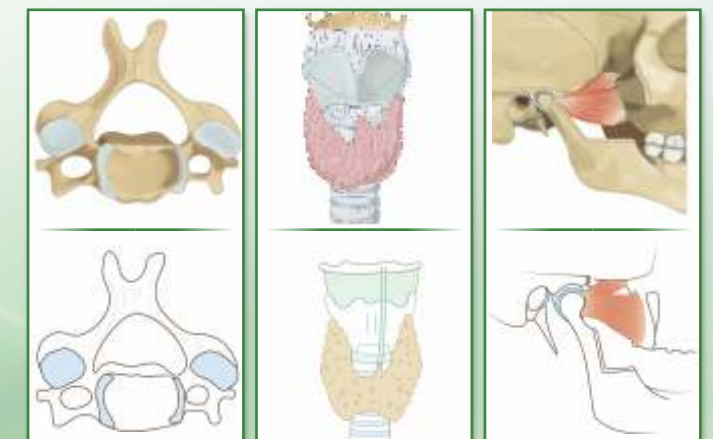
Volume 5



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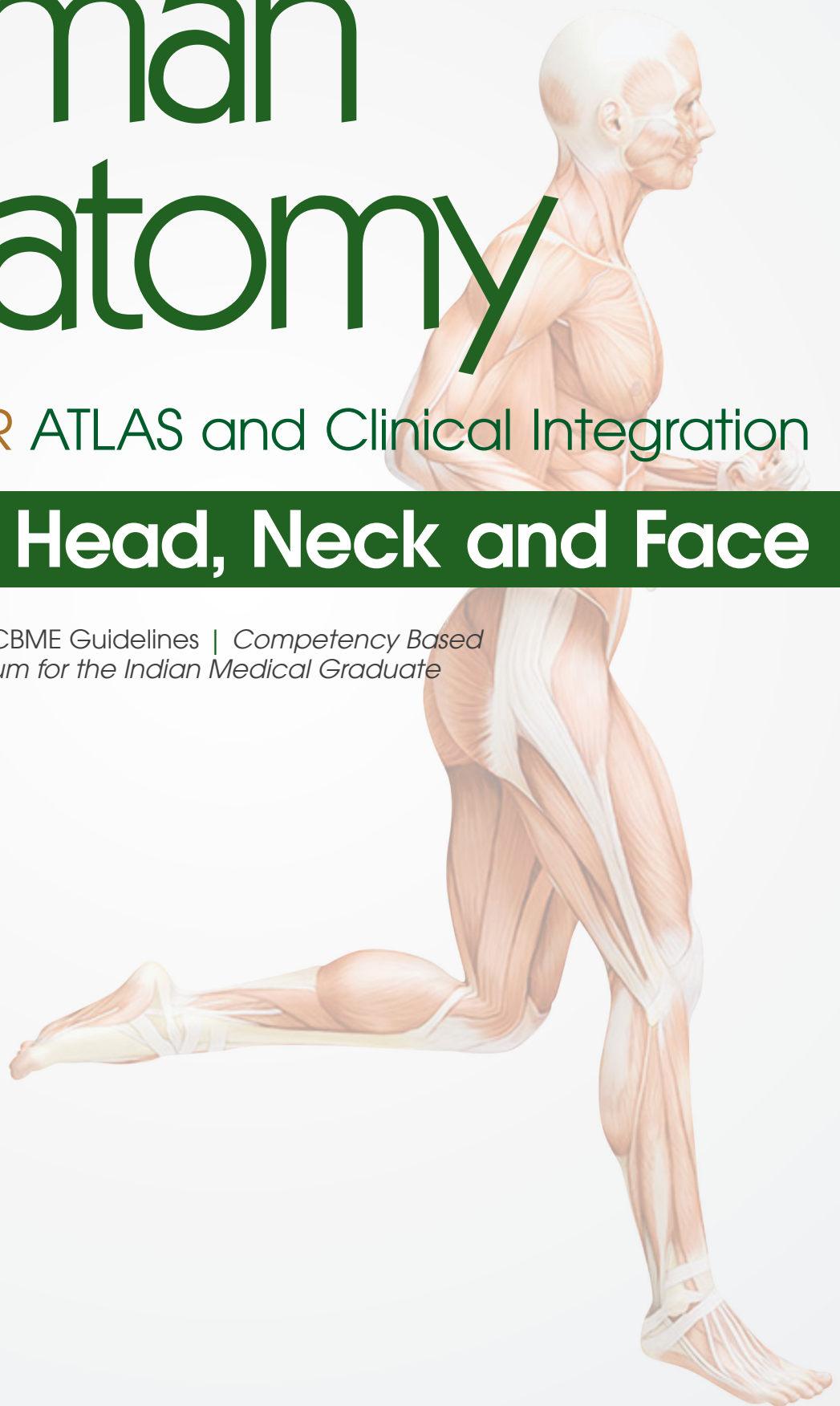
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Volume 1: Upper Limb

Volume 2: Thorax

Volume 3: Lower Limb

Volume 4: Abdomen and Pelvis

Volume 5: Head, Neck and Face ■

Volume 6: Brain

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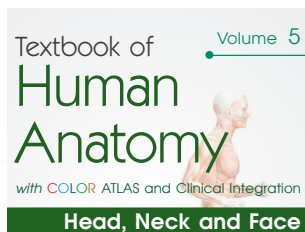


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Preface

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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<i>Competency</i>	<i>Competency title</i>	<i>Chapter number</i>
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Textbook of Human Anatomy

with COLOR ATLAS and Clinical Integration

Volume 6

Brain

has been written to solve the difficulties faced by the students about learning and acquiring knowledge of anatomy. This book resolves the need of referring to multiple books. The most common concerns of the students are the necessity of atlas for better understanding, simple line diagrams for practice and recapitulation during examination, requirement of flowcharts for rapid revision, difficulty in understanding anatomical basis of the diseases, and need of advanced knowledge.

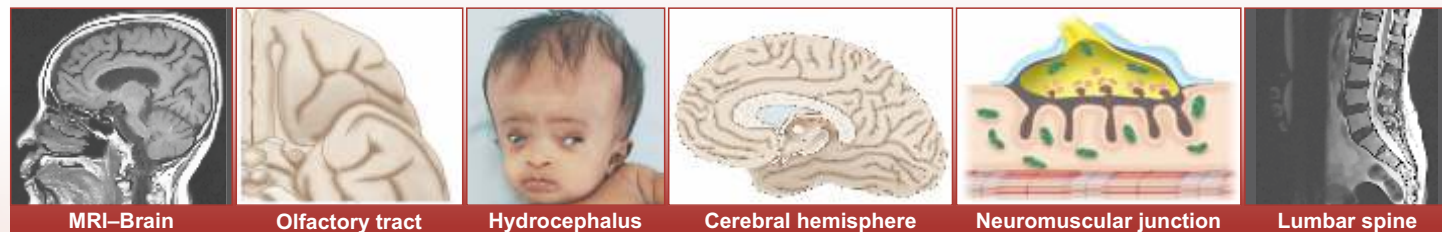
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- § **133 Line diagrams** are easy to draw figures for theory examination.
- § **Clinical integration (20 clinical figures)** provides early clinical exposure and an orientation towards the pathogenesis of the disease (vertical integration).
- § **88 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 question, Spotters** and **Clinical fact** markings for preparation of various upcoming academic entrance examinations.
- § **31 Boxes** provide focus on important topics.
- § **Interesting facts** to isolate them from the main text so that these facts should not be missed and ease the burden of text during revision.
- § To focus clinical utility and exam preparation, separate chapters on tracts of spinal cord, fourth ventricle, third ventricle, basal ganglia, meninges, and other topics such as limbic system, reticular formation, and receptors are included.

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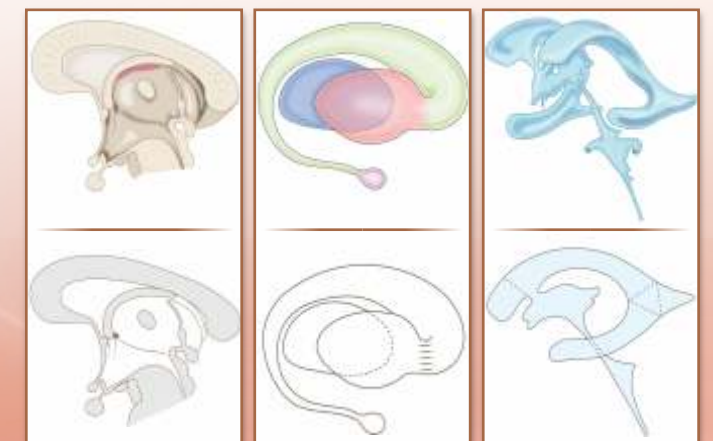
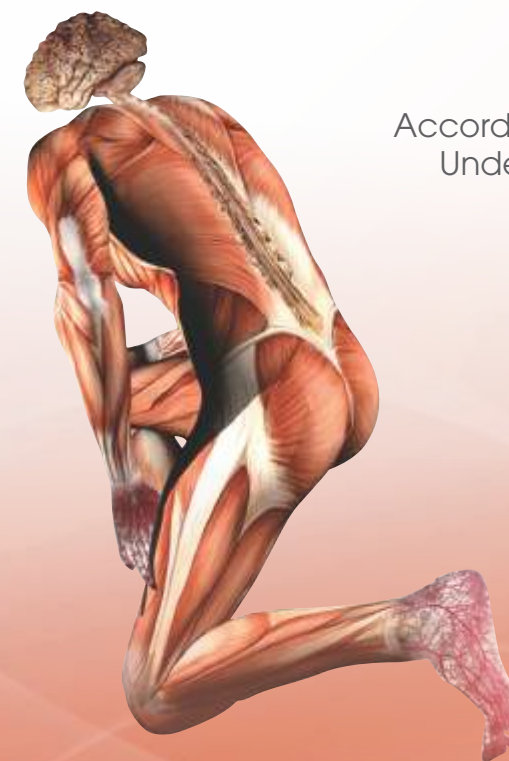
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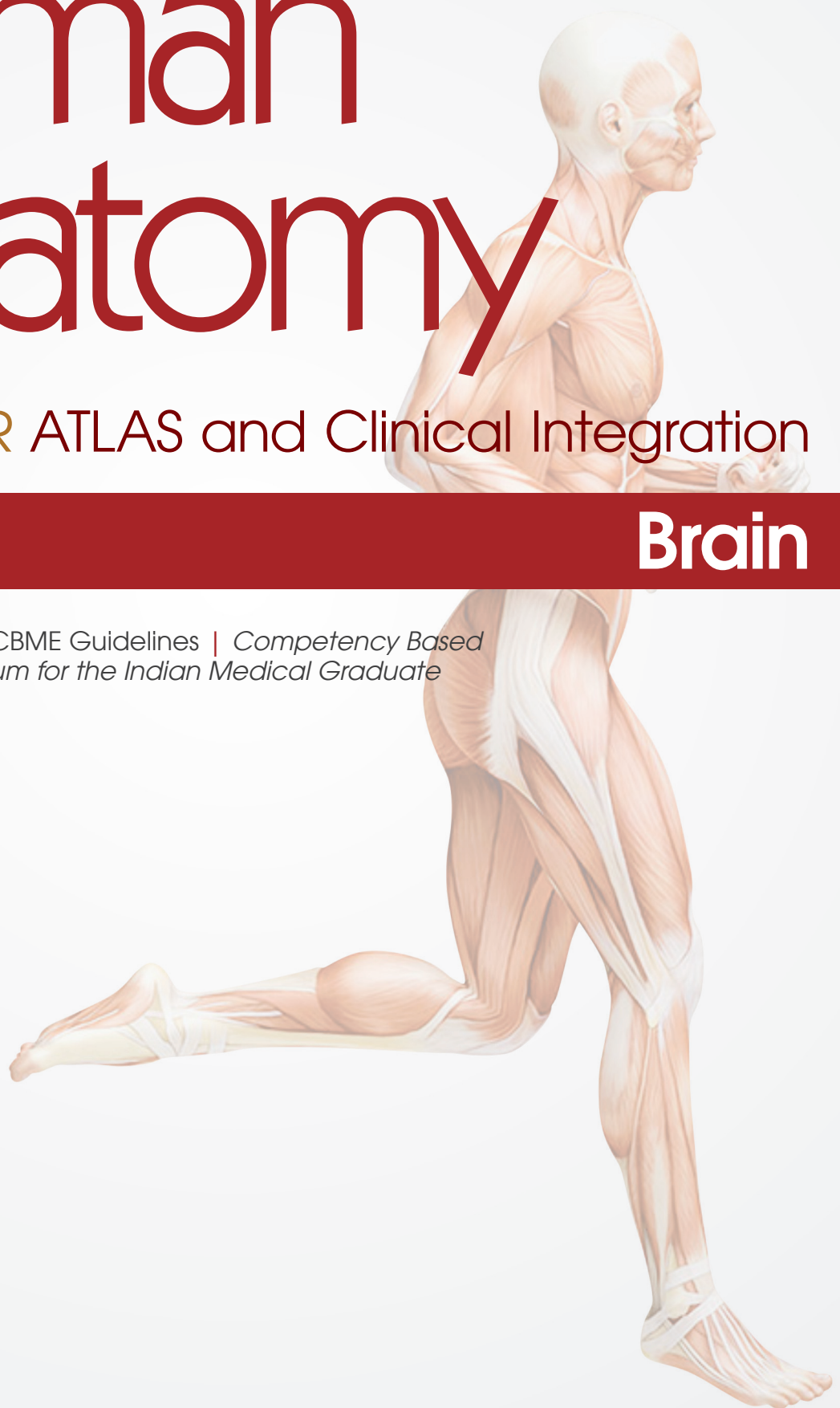
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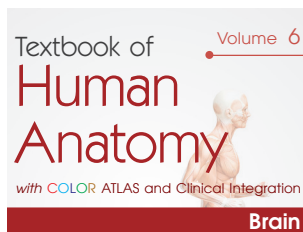


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Preface

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.
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- **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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<i>Competency</i>	<i>Competency title</i>	<i>Chapter number</i>
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