BROWSER-BASED LEARNING

Open it on your phone

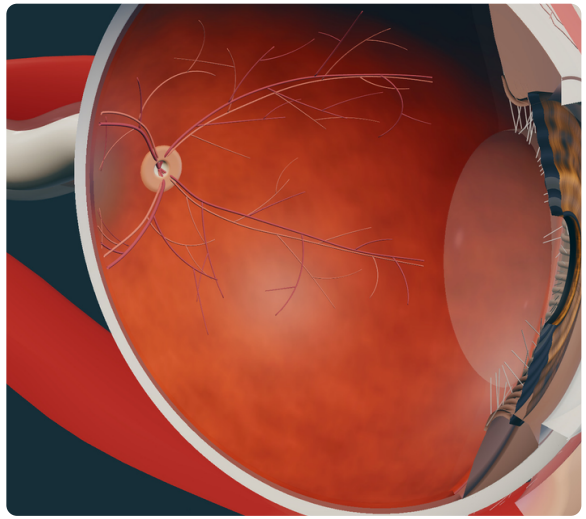
Explore PLG Anatomy on a phone, tablet or computer through your browser.

Scan for the website

3dmednexus.com

Try these first

- Follow blood through a beating heart.
- Trace a nerve from the spine to the hand.
- Watch muscles move a joint.



Eye Lab. Explore the eye in 3D and trace light to the retina.

INSTITUTIONAL USE

For colleges, clinics and dental practices

Use the 3D labs in lectures and practicals, or enquire about anatomical models for teaching.

Teaching licences
Bring the 3D labs into classes and practical demonstrations.

Dental CBCT to 3D
Create a model and view matching slices. Processing runs on your own computer.

Under the guidance of



Dr. Shivanand Gauns



Dr. Amey Gauns

GAUNS CHILD CARE HOSPITAL
NICU & PEDIATRIC SURGICAL UNIT

DEMONSTRATIONS AND ENQUIRIES

gaurish@3dmednexus.com

info@divvyupandgrow.com

WhatsApp +91 89751 32599

Divvy Up & Grow

DivvyUp and Grow Private Limited

For education and visualisation.
3D data includes BodyParts3D (CC BY 4.0) and Z-Anatomy (CC BY-SA 4.0).
View model credits and licences

3D MedNexus

PLG ANATOMY

Anatomy that moves.

Interactive 3D anatomy and organ-function labs for medical students.



First-year MBBS competency-based learning

3dmednexus.com

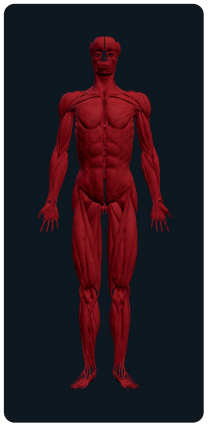
ANATOMY

The whole body, layer by layer

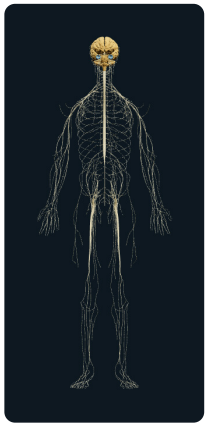
Rotate male and female reference models. Label, isolate or combine layers to study spatial relationships.



Bones



Muscles



Nerves

Bones and joints
Identify landmarks, articular surfaces and selected muscle attachments.

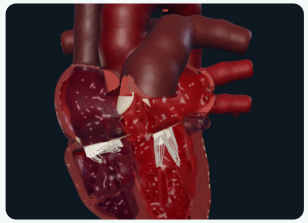
Muscles and movement
Explore movement from shoulder to ankle. Browse 48 exercise entries for technique and muscle actions.

Nerves and clinical reasoning
Trace 17 peripheral nerves, follow the guided radial nerve lesson and test your reasoning with 14 applied cases.

PHYSIOLOGY

Watch organs work

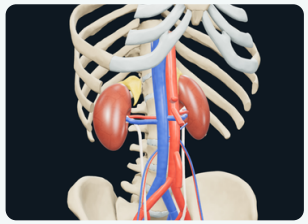
See how structures move, what flows through them and how selected conditions change function.



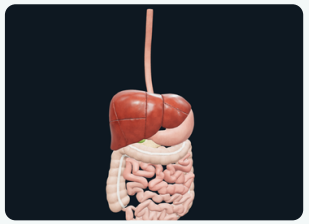
Heart Flow
Trace the cardiac cycle, vary heart rate and compare conditions.



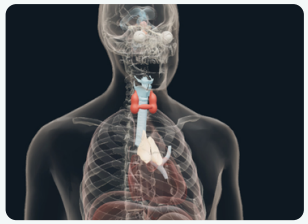
Lung Anatomy
Link breathing movements to pressure and flow-volume traces.



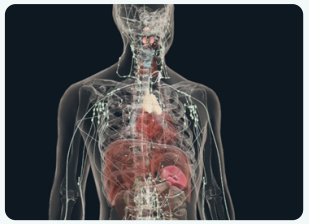
Kidney Anatomy
Follow filtration and compare hydration or glucose scenarios.



Digestive System
Follow a meal and compare uptake in normal and coeliac villi.



Endocrine Glands
Explore hormone feedback, including insulin, thyroid and water balance.



Lymphatic System
Trace drainage pathways and compare selected disease patterns.

COMPETENCY-BASED MEDICAL EDUCATION

First-year MBBS competencies

A searchable register of **633 competency records** references the National Medical Commission (NMC) curriculum across Anatomy, Physiology and Biochemistry.

6	14	18
Integrated cases	Model exercises	Practice activities

From objective to practice
Choose a competency, work through a model-linked task and review the feedback. Examples include coronary artery tracing, airflow into the lungs and renal filtration.

Supervised practical log
Download a blank log to record the date, performance number and faculty sign-off.

One case across subjects
In atrial septal defect, locate the opening, compare flow with normal and discuss oxygen transport, heart sounds and the example ECG.

Faculty demonstration
Project a lab, pause before a change and ask students to predict what happens. Use the comparison to discuss their reasoning.

Selected study functions are planned for the live demonstration build.