

Teaching and learning with Osmosis

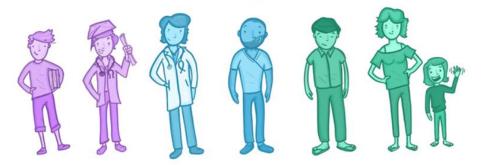
Everyone who cares for someone will learn by Osmosis

What guides us

~ VISION ~

EVERYONE who CARES for SOMEONE will LEARN by OSMOSIS





~ MISSION ~

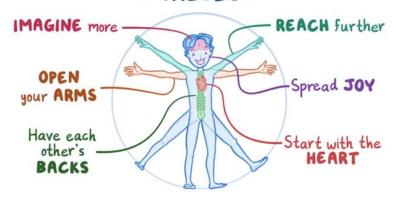
EMPOWER CLINICIANS and CAREGIVERS with the BEST LEARNING EXPERIENCE POSSIBLE

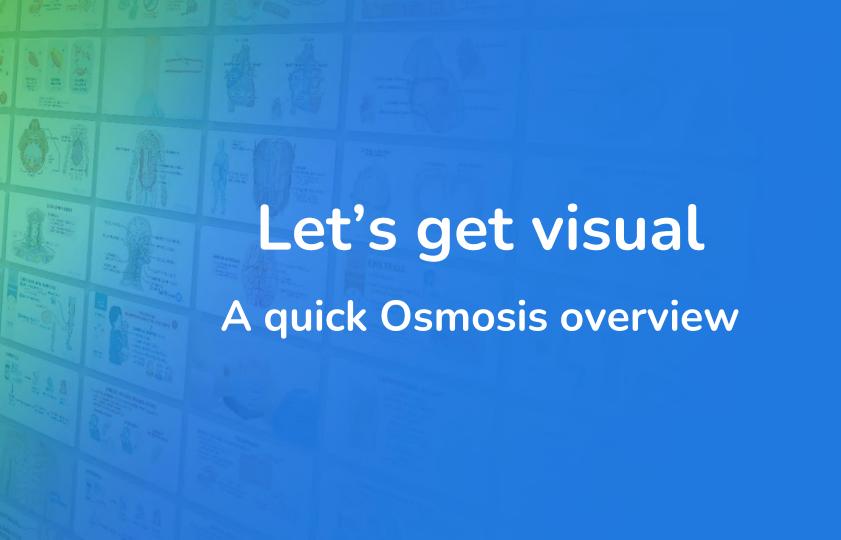


MEDICINE

- * VAST
- * DYNAMIC
- * HIGH STAKES

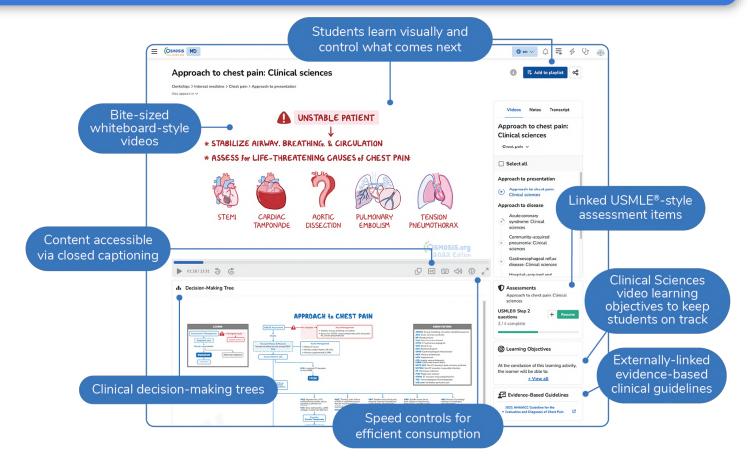
~ VALUES ~





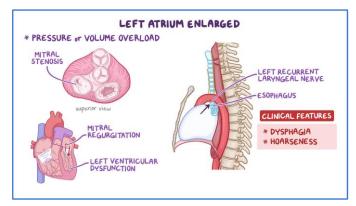
Designed to enhance learning and clinical reasoning

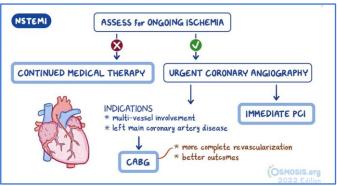




Engaging videos built on evidence-based principles







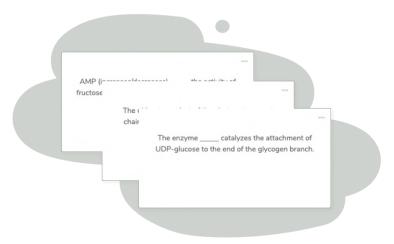
Whiteboard-style videos simplify complex medical concepts

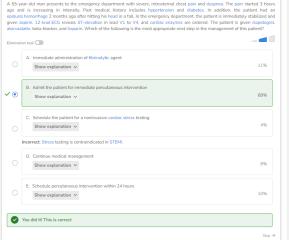
- Basic Sciences videos
 for primary learning and
 clarification including case-based
 pathology review
- Clinical Sciences videos based on the latest evidence-based guidelines and U.S. national clerkship curricula for the first-time clinical learner

Linked assessment items

from Elsevier

- <u>Flashcards</u> with intelligent spaced repetition
- USMLE®-style MCQ's





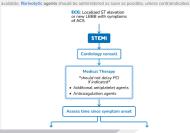
Major takeaway

The management of acute ST-elevation myocardial infarction (STEMI) involves medical therapy and reperfusion (i.e. PCI or fibrinolytic agent, if PCI is not available) as soon as possible for patients within the 12-bour time window for reperfusion therapy.

Main explanation

This patient has an acute ST-elevation myocardial infarction (STEMI), which is a subtype of acute coronary syndrome (ACS). The management of ACS begins with stabilizing the patient immediately upon presentation. Once the patient is stabilized, a 12-lead ECG and cardiac enzymes are obtained to reach a diagnosis and begin management accordingly.

Patients with acute STEM have a transmural infarction, which is due to complete occlusion of the commany after or to branches. Management of STEM is time sensitive. Once the diagnosis is made, medical therapy is started with aspirin and clopidogrel, beta-blockers, nitrates, anticoagulation, and high-intensity statins. Simultaneously, it should be determined if the patient is a candidate for repertision therapy. Generally, patients who present within 12-bour of symptom constate candidates for repertision therapy. The preferred method of repertusion is percutaneous intervention (PCI) due to to this fight fideracy and lovers side effect profile. However, if PCI is not

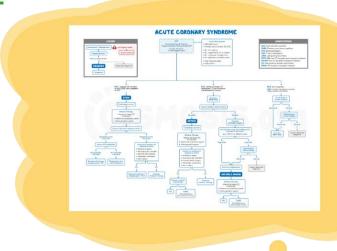


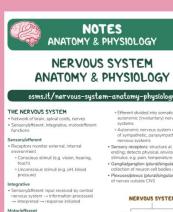
Multimodal content

- High-yield notes with full-color images and tables
- Clinical decision-making trees

Externally-linked clinical evidenced-based

guidelines





. Brings motor information from central nervous system to periphery . Controls actions of effector organs (e.g. muscles, glands) ORGANIZATION OF THE NERVOUS Central pervous system (CNS) · Brain, spinal cord Peripheral nervous system (PNS) · Nerves connect PNS with CNS

· Includes 12 pairs of cranial nerves, 31 pairs of spinal nerves . Efferent (motor), afferent (sensory) divisions

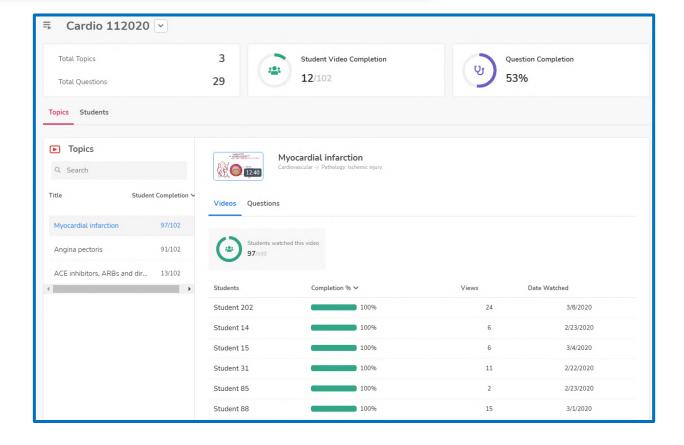
- autonomic (involuntary) nervous
- = Autonomic nervous system comprised of sympathetic, parasympathetic nervous systems
- · Sensory receptors: structure at nerve ending: detects physical environmental
- stimulus: e.a. pain, temperature
- · Ganglia/ganglion (plural/singular):
- collection of neuron cell bodies outside CNS · Plexuses/plexus (plural/singular): network

NERVOUS SYSTEM

Figure 50.1 Organization of the nervous

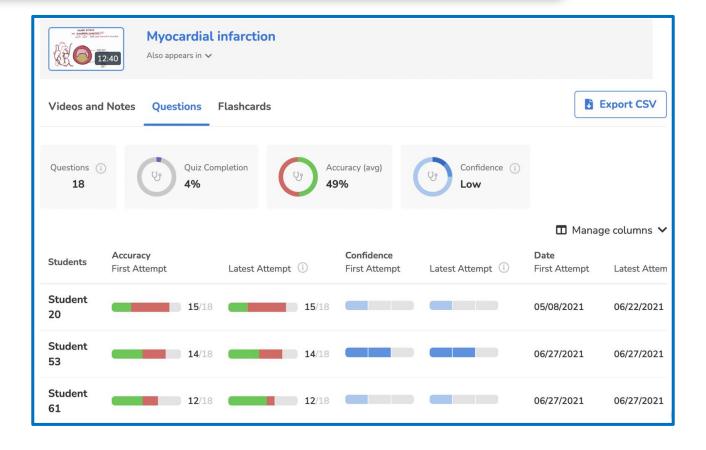
Track video assignment completion





Get early signals about struggling learners

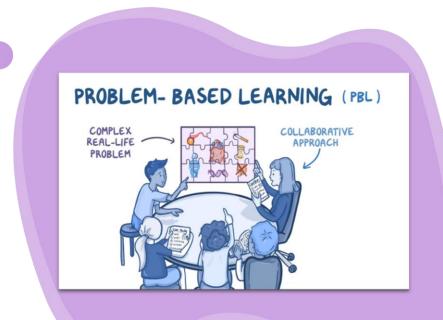




Bonus Content

from Flsevier

- Interpersonal communication skills
- Learning science
- Self-care
- Professionalism
- Raise the Line Podcast



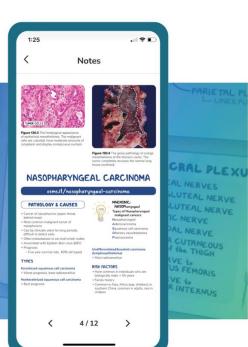
Mobile app to take learning on the go







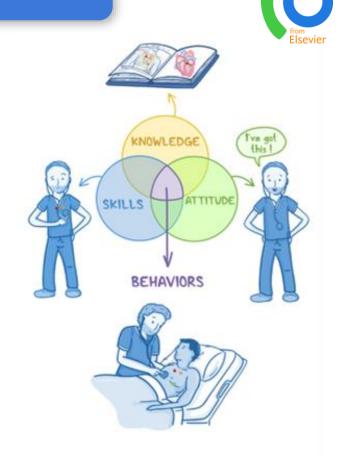






Built on evidence-based learning principles

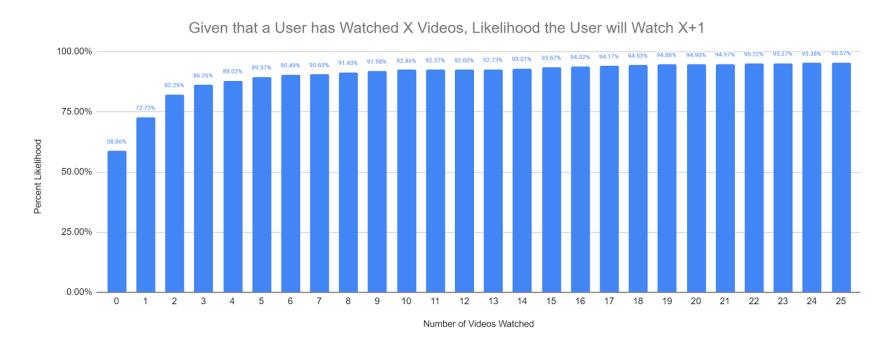
- Content chunking and design based on established multimedia design principles reduces cognitive load and promotes the development of schemas
- Spaced repetition with flashcards helps students retain information longer
- <u>Testing effect</u> improves exam-day performance with Q&A practice
- Learning science videos teach students the science of learning



Students engage with Osmosis

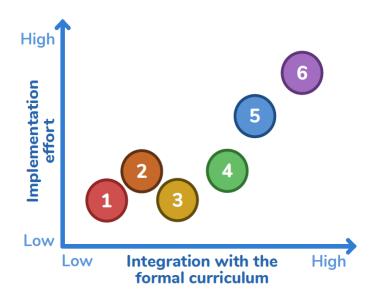


Osmosis content has an 83.6% average video completion rate. Once a user has watched 5 videos, their likelihood of watching a 6th is 90%.



Osmosis flexes to fit your curriculum





- 6. <u>Flipped Classroom</u>: replace lecture and/or prime students for active learning sessions with assigned videos
- 5. <u>Blended Learning</u>: Curate playlists as supplementary resources to accompany F2F sessions or level the playing field
- 4. Provide prescriptive support
- 3. <u>SDL</u>: Encourage continuous low-stakes assessment for learning
- 2. <u>Library access</u>
- 1: Student-driven usage

How do partner programs use Osmosis?



- Lecture supplements and leveling student knowledge pre-lecture: <u>NYU Grossman School of</u> Medicine, <u>University of Toledo's College of Medicine and Life Sciences</u>
- Flipped classroom development: <u>A.T. Still University Physicians Assistant Program</u>, <u>University of the Pacific's Arthur A. Dugoni School of Dentistry</u>)
- Active learning encouragement: <u>A.T. Still University Osteopathic Medicine Program</u>, Anáhuac University School of Medicine
- Supporting faculty time: <u>The University of Texas Rio Grande Valley's Physician Assistant Program</u>, <u>Kent and Medway Medical School's library</u>
- Customizable curriculum integration: <u>St. Scholastica's Physician Assistant program</u>, NYU Grossman School of Medicine
- Early course correction and remediation: <u>University of Pikeville College of Osteopathic Medicine</u>

To continue the conversation, please reach out to:

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If you need further support we are always happy to help!

Academic Success Manager

NAME EMAIL



