



What is it: A student learning platform and support app developed by medical students at Johns Hopkins that provides a solution for learning in an engaging, interactive, and structured manner.

Where is it: <https://www.osmosis.org/> - Download the mobile app from the iTunes App store or Google Play

How to use it:

- Contact Melissa Cowan to get started
- Encourage students to use it during your module:
 - o To take notes
 - o To create and share (with other students) questions related to the content for study purposes
 - o To view links and questions related to topics that Osmosis automatically identifies as related to the PowerPoints provided by faculty
- Faculty can create and publish relevant questions to the class for students to include in their learning structure.

Benefits to faculty:

- Validates importance and relevance of faculty content to students because the system cross-references faculty PowerPoints, Word documents, and PDFs automatically with Board topics

Best Practices:

- Faculty can log-in and review the links to recommended learning resources automatically created by Osmosis (e.g. Khan Academy videos, patient videos, and First Aid references). These resources can also be incorporated in lectures or discussed further in class.
- Review content uploaded by students as well as quiz questions and flash cards created by students
- Students can schedule Osmosis to automatically send (push) questions periodically to their mobile devices to help them review and retain concepts

Pros:

- Automatically cross-references topics from faculty lectures with Board topics
- Provides students with USMLE-style practice questions
- Students can use the Osmosis platform to upload class PPTs and take notes during class as well as create study questions
- Spaced repetition of quiz questions for students
- Allows students to schedule questions to be automatically sent to them for studying

Cons:

- Still has a few bugs as it is being improved all the time
- Limited college control over content - students determine what content to upload and what questions to create/study

