

## McGraw-Hill's ACCESS SURGERY

### Custom Curriculum

A cutting-edge functionality that enables program directors to create, track, and report usage of surgical rotations online. Program directors can choose to create or modify existing rotations; assign board review quizzes and set the passing grade; link out to references or other web-based resources; and schedule grand rounds, lectures, or other offline activities.

Custom Curriculum is part of an AccessSurgery subscription. To begin using Custom Curriculum in your residency program, contact your McGraw-Hill representative for information and set-up.

For residents, the Custom Curriculum provides a powerful educational tool. When they log on, the residents view the available rotations from their program director, as well as their own individual progress by rotation.

### Core Curriculum

AccessSurgery is organized around a Core Curriculum designed for Residents in General Surgery. An ongoing national effort, the Core Curriculum mandate has pulled together key surgical organizations in an effort to develop a consistent general surgery educational framework.

### The Semantic Search Engine

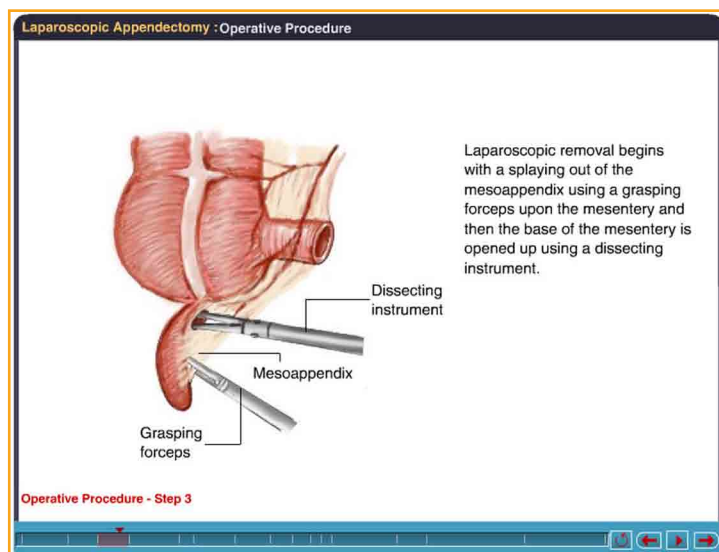
The search engine is a state-of-the-art tool designed for sophisticated collections of medical information. It runs in conjunction with a layer of semantic metadata that has been applied to all of the information in the website so that the content, though written by multiple authors and derived from many resources, is completely integrated and connected by topic-based medical language tags that are compliant with the Unified Medical Language System (UMLS), developed by the National Library of Medicine (NLM).

When a user searches for information on AccessSurgery, the search engine looks for matches with the metadata to deliver results based on matching search terms with concepts and topics, rather than matching exact words when they appear in the content. By focusing on broader concepts, practices, and procedures, users can find all the relevant discussions of the topic they are looking for, even if named differently in different resources.

The screenshot shows the 'Appendectomies' rotation page. At the top, it indicates '36% COMPLETE'. Below this, there are instructions: '- Readings and videos will be automatically marked as completed when you click into the content.', '- Click on "Mark as Completed" to report completion of Additional Requirements.', '- You must pass the Board Review test to complete that assignment. You may retake the test until you pass.', and '- Click **HERE** to refresh your completed activities.'

The 'Complete? ACTIVITY' section is divided into three categories:

- READING**
  - ✔ **Naingot's Abdominal Operations** > Chapter 21, Appendix And Appendectomy
  - ⊗ **Schwartz's Principles of Surgery** > Chapter 29, The Appendix
  - ⊗ **Skandalakis' Surgical Anatomy** > Chapter 17, Appendix > Surgical Anatomy of Appendectomy
  - ⊗ **Zollinger's Atlas of Surgical Operations** > Appendectomy
  - ⊗ **Zollinger's Atlas of Surgical Operations** > Appendectomy, Laparoscopic
- VIDEO**
  - ✔ **Laparoscopic Appendectomy: Intraoperative Appendix** (4 minutes, 10 seconds) by Dr. John Alexander, Columbia University College of Physicians and Surgeons. Includes a 'Play Video' button.
  - ⊗ **Laparoscopic Appendectomy: Moderate Lateral Adhesions** (15 minutes, 9 seconds) by Dr. Spencer E. Athory and Dr. James Lee, Columbia University College of Physicians and Surgeons. Includes a 'Play Video' button.
  - ✔ **Laparoscopic Appendectomy: Operative Procedure** (4 minutes, 32 seconds) Adapted from Zollinger's Atlas of Surgical Operations. Includes a 'Play Video' button.
- ADDITIONAL REQUIREMENTS**
  - ✔ **Grand Rounds** Tues, July 3rd, 10am in Alumni Auditorium
  - ⊗ **Wikipedia on the Appendix** <http://en.wikipedia.org/wiki/Appendectomy> Mark as Completed
- BOARD REVIEW**
  - ⊗ **Gastrointestinal Surgery > Acute Abdomen** (10 questions, 70% passing grade)



## Advanced Search

In the infrequent cases when a user cannot find the results he or she is looking for by using the semantic search engine, full-text searches can be done by using the Advanced Search, which searches exact word matches in the data set and which allows the Boolean connectors “and” and “or.”

## MyAccessSurgery Account

By creating a My AccessSurgery account, or personal profile, users save and maintain a collection of images from the site for educational or personal use, and bookmark important chapters and sections for future reference.

## Finding References to Primary Literature

A Bibliography or Reference section exists at the end of each chapter with links to the primary literature via PubMed ([www.pubmed.gov](http://www.pubmed.gov)).

## Videos and Animations

AccessSurgery contains a regularly updated library of videos from Columbia University College of Physicians and Surgeons and Northwestern University Feinberg School of Medicine and animations adapted from *Zollinger's Atlas of Surgical Operations*.

Macromedia's free Flash Player (version 8 or higher) plug-in is required to view all video on this website.

## Drug database

The integrated, updated drug database provides critical information on medication indications, dosages, contraindications, and drug classes, as well as patient handouts in English and Spanish.

## AccessSurgery Library Resource Center

A centralized location for librarians and site administrators to find marketing materials, product title lists, updates, the latest newsletters, product announcements, password-protected user statistics, and more.

## AccessSurgery Blog

Open to everyone and administered by an MD, the AccessSurgery Blog provides a forum for surgical residents and practicing surgeons to debate and share information on the latest advances in the field. The blog is also used to announce new content and features added to AccessSurgery. Debate is encouraged.

The screenshot displays the McGraw-Hill's AccessSurgery website interface. The search results for 'Thyroid' are organized into several sections:
 

- Core Curriculum Topic:** Thyroid
- TEXTBOOKS:**
  - Schwartz's Principles of Surgery - Chapter 37. Thyroid, Parathyroid, and Adrenal
  - Current Surgical Diagnosis and Treatment - Chapter 45. Thyroid & Parathyroid
- ATLAS:**
  - Zollinger's Atlas of Surgical Operations - Thyroidectomy, Subtotal - Radical Neck Dissection
- VIDEOS:**
  - Pediatric Thyroglossal Duct Cyst Excision (Sistrunk Procedure) (1 minute, 41 seconds)
  - Ultrasound Basics 1: Introduction and Physics (25 minutes, 28 seconds)
  - Ultrasound Basics 2: Equipment and Images (20 minutes, 13 seconds)
- RELATED PROCEDURES:**
  - Thyroidectomy
  - Lateral Neck Dissection
  - Ultrasound-Guided Thyroid Nodule Aspiration
  - Flexible Laryngoscopy
- BOARD REVIEW:**
  - Take a test on: Endocrine Surgery > Thyroid
- SURGICAL ANATOMY:**
  - Skandalakis' Surgical Anatomy - Chapter 3. Neck - Thyroid Gland - Radical Neck Dissection

 On the right side, there are links for 'Quick Answers from Current Consult Surgery', 'Cancer Staging Tables', and 'Diseases' including:
 

- Golter, Simple or Nontoxic (Diffuse & Multinodular)
- Graves Disease
- Hashimoto Thyroiditis
- Hürthle Cell Neoplasms
- Hyperthyroidism, Non-Graves
- Hypoparathyroidism
- Multiple Endocrine Neoplasia Type 2 (MEN 2)
- Thyroglossal Cyst
- Thyroid Cancer, Anaplastic
- Thyroid Cancer, Follicular
- Thyroid Cancer, Medullary
- Thyroid Cancer, Papillary
- Thyroid Lymphoma
- Thyroid Metastases
- Thyroid Nodule
- Thyroiditis, Acute Suppurative
- Thyroiditis, de Quervain, Subacute
- Thyroiditis, Riedel

The screenshot shows a video player interface for a surgical procedure. The title is 'Laparoscopic Appendectomy: Intraoperative Appendix' with a duration of '4 minutes, 10 seconds' and credit to 'Dr. John Allendorf, Columbia University College of Physicians and Surgeons'. A table of contents on the left lists steps:
 

- Position, Prep and Drape
- Port Placement
- Clearing Lateral Attachments of Cecum
- Dissection of the Appendix** (highlighted)
- Window in Meso Appendix
- Staple Across Meso Appendix
- Endocatch Bag and Removal of Specimen
- Close

 The main video frame shows a laparoscopic view of the abdominal cavity. A white arrow points to the 'Base of Appendix Under Grasper'. The 'Cecum' is also labeled. A video control bar is visible at the bottom of the frame. The footer includes the Columbia University College of Physicians and Surgeons logo.