

Core Surgical Skills



These self-paced modules are designed to optimize student learning during surgery laboratories by laying a solid foundation prior to lab. Students will arrive more confident and ready to receive coaching that will significantly enhance their surgical skills.

Accelerate Student Learning

The Core Surgical Skills training program features lessons designed to help instructors prepare entry level surgeons. Using a combination of interactive media, students will learn the fundamental principles of instrument handling and knot tying, while a series of practice exercises helps prepare students for face-to-face surgery labs.



What's Included

I. Basic Instrument Use

(Contact time: 7 hours)

- Scalpels
- Forceps
- Clamps
- Scissors
- Needle holders

II. Knot Tying

(Contact time: 4 hours)

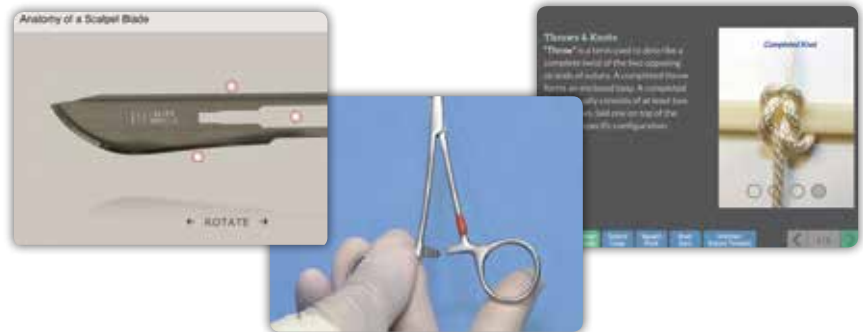
- The 3-steps of knot construction
- Security, suture materials & slippage
- Gathering & sliding suture
- Square knot
- Surgeon's knot
- Slip knot
- Instrument ties
- Hand ties
- One-hand technique
- Two-hand technique
- Deep two-hand technique

Instructor tools

- Independent activities help students practice skills before attending labs.
- Lab guides help instructors evaluate and track student mastery of skills.

Assessments

- Formative: Interactive practice exercises at the end of lessons provide students with opportunities to apply the material and receive feedback on their performance.
- Summative: Graded exams at the end of modules provide students with opportunities to demonstrate content mastery and report scores to faculty.



Audience & Delivery

Designed to complement:

- Gross anatomy dissection labs
- Basic surgery
- Clinical rotations

Basic Instrument Use: Web-based Flash content streams directly to students via password protected learning management system. Runs on PC and MAC.

Knot Tying : Web-based HTML5 content streams directly to students via password protected learning management system. Runs on PC, MAC, and Tablet-devices.

About the Authors

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