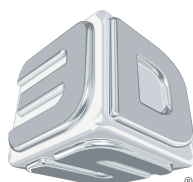
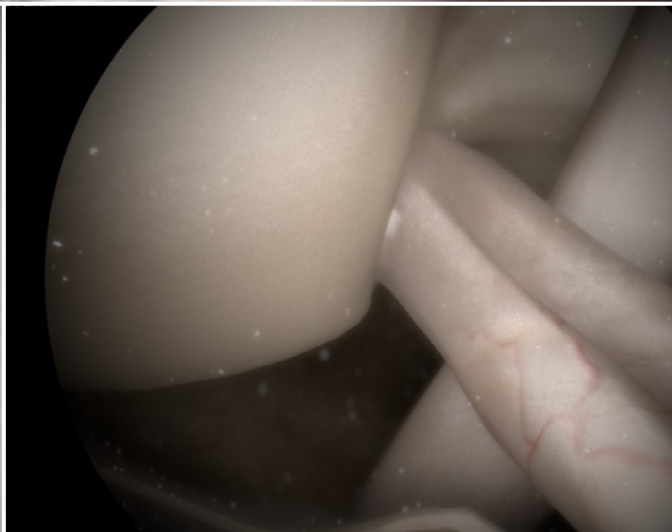
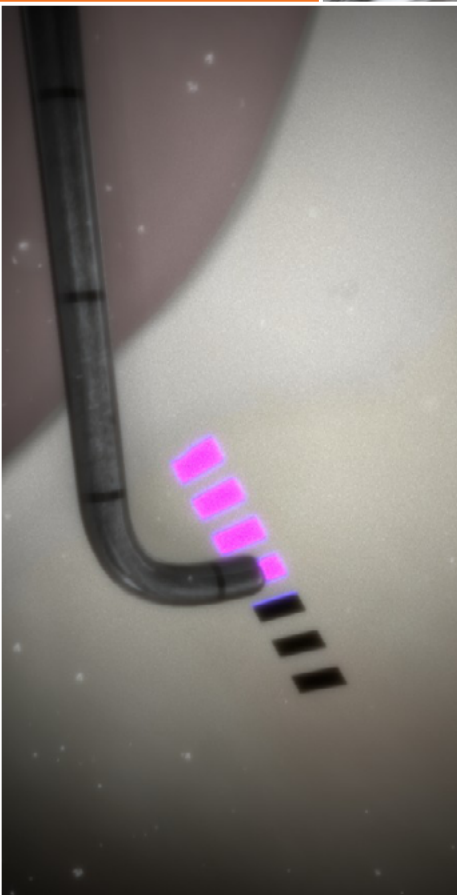
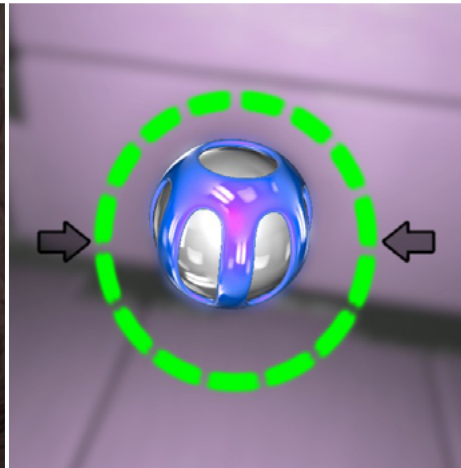
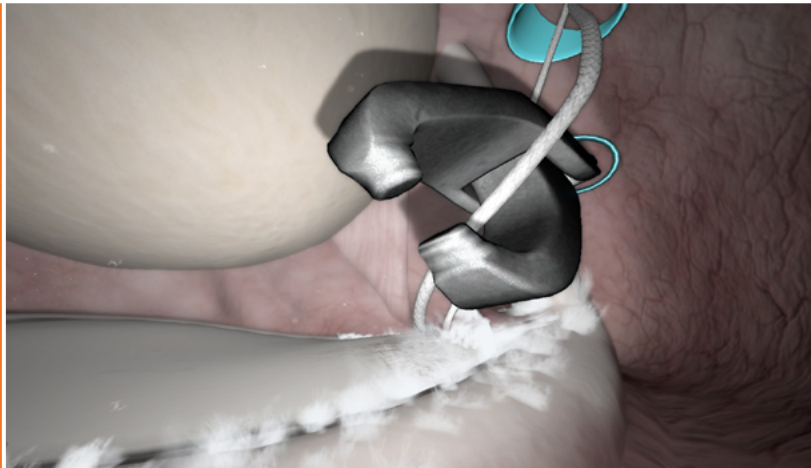




ARTHRO Mentor™



BDSYSTEMS®



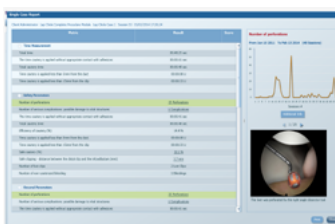
Simulator Platform

- Interchangeable knee/shoulder/hip models.
- Moveable knee that can be extended/flexed and bent in Varus/Valgus movements.
- Shoulder arthroscopy in beach chair and lateral decubitus positions.
- Hip arthroscopy in supine and lateral decubitus positions.
- Robotic arms that provide a true-to-life haptic sensation.
- Height adjustable platform to achieve a realistic working position.
- Foot pedals and physical instruments (camera, grasper and stylus) that simulate real tools with additional virtual tools.



MentorLearn Simulator Curricula Management System

3D Systems' multidisciplinary simulators effortlessly integrate into your program curriculum.



- Customizable curriculum incorporating training and didactics.
- Easy and efficient administration of simulator users.
- Online learning courses and video-based content.
- Proficiency based hands-on training.
- Performance reports with learning curve graphs.



The Simbionix ARTHRO Mentor™ offers more than 90 cases for practicing arthroscopic basic skills, diagnostic skills and full procedure cases. It is the most validated simulator in the market with multiple studies proving its effectiveness, usefulness and didactic value.

ARTHRO Mentor Modules



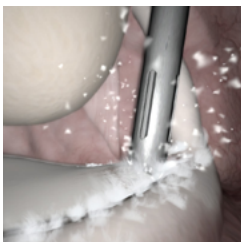
FAST- Fundamentals of Arthroscopic Surgery Training

- Designed based on definition by the leading US societies: AAOS, ABOS and AANA.
- Didactic content for all 6 defined modules.
- 11 hands-on tasks in an ambidextrous configuration for gradual training of basic triangulation skills.



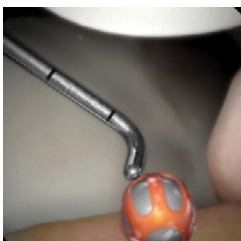
Advanced Knee Arthroscopy

- Customizable anatomical recognition tasks to obtain orientation skills.
- Diagnostic tasks to identify document pathological conditions.
- Procedural steps tasks and full meniscectomy procedures on various pathologies.



Shoulder Arthroscopy

- Basic skills and diagnostic tasks in healthy and pathological Glenohumeral joints and Subacromial spaces.
- Procedural steps such as Glenoid surface repair and loose body removal.
- Full procedure tasks to practice labral repair in various SLAP and Bankart lesions.



Hip Diagnostics

- Customizable tasks to obtain orientation skills of the central hip compartment.
- Advanced probing task for obtaining an effective and precise diagnostic technique.
- Diagnostic tasks to identify pathological conditions.





3D Systems is a leading provider of 3D printing centric design-to-manufacturing solutions including 3D printers, print materials and cloud sourced on-demand custom parts for professionals and consumers alike in materials including plastics, metals, ceramics and edibles.

The simulation training products provide a complete solution for training programs with a full array of simulators, PROcedure Rehearsal Studio™ for case rehearsal and creating 3D printed personalized anatomical models, and MentorLearn™ for simulator management. We are committed to the advancement of clinical performance and optimization of procedural outcomes through education and collaboration.

Our team cooperates with physicians on a regular basis to produce the most reliable and effective solutions for its customers.

// I want to go on record as recommending the ARTHRO Mentor virtual reality simulator for shoulder arthroscopy for any training institution that plans to maximize the opportunity to train surgeons in this difficult task. //



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