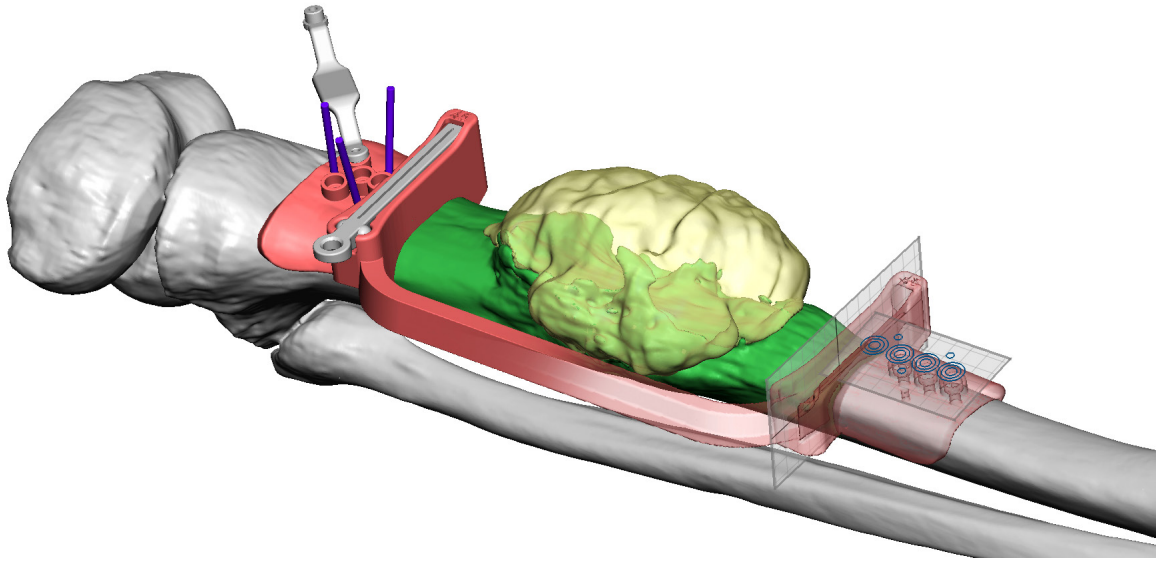
3D PRINTING & Training Center | Clarkson College

CCSP Orthopedics

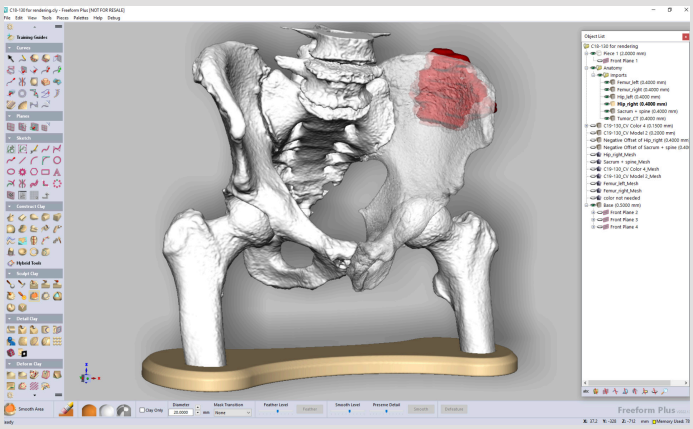


Personalized Orthopedic Oncology Solutions

CCSP Orthopedics is an FDA 510(k) cleared personalized healthcare solution for orthopedic oncology surgical cases. It provides surgeons with the opportunity to pre-plan surgeries prior to entering the operating room. Based on the surgical plan, patient-matched surgical instruments are designed and used in surgery.

3D SYSTEMS

CCSP Orthopedics deliverables includes 3D printed patient-specific resection and reconstruction instruments and personalized anatomic models—along with a digital surgical plan that helps translate your surgical plan in the OR.



CCSP Orthopedics Key Features

- Dedicated board certified and experienced radiologist to review segmentation and tumor margins.
- Dedicated clinical engineer for surgical planning and design
- Designing patient-specific resection and reconstruction instruments that help preserve native bone
- Enabling advanced 3D anatomic models to assist with pre-operative and intra-operative decision making

*Tumors are an approximation. Osteotomy is based on desired landmarks. Segmentation will be reviewed by a board certified Radiologist. Surgeon is advised to confirm tumor location on CT and MRI.

CCSP Orthopedics Workflow Process

STEP 1: Upload DICOM data

Upload patient imaging data, clinical details, and case deliverables required through our easy to use web portal.

STEP 2: Image Processing

Medical imaging is transformed into 3D digital models with clinical engineer's and a board certified radiologist collaboration.

STEP 3: Surgical Planning

Surgical Planning meeting takes place with clinical engineer to determine surgical plan and desired outcome.

STEP 4: Design of Models and Guides

Patient-specific models, resection and reconstruction instruments are designed.

STEP 5: Delivery

Surgical Plan is reviewed, confirmed, devices are 3D printed and set for delivery within 10 business days.

Start A Case Today.

Submit a case at
https://3dlabatclarksoncollege.enhatch.com/

Start the Conversation

Reach out to us via **3dlab@clarksoncollege.edu** if you want to:

- Request material samples
- Consult with a 3D Lab Expert
- Discuss the benefits of using this product in your practice
- Get pricing information

Indications for Use – The CCSP Orthopedics System is intended to be used as a surgical instrument to assist in preoperative planning and/or in guiding the marking of bone and/or in guiding surgical instruments in non acute, non-joint replacing osteotomies for adult patients in the distal femur, tibia, and non-sacrum pelvis.

Distributed by:

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