



Orthopedic Pre-Operative Planning Software



HIP



KNEE



TRAUMA



PEDIATRIC



SPINE



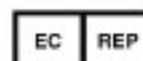
FOOT & ANKLE



UPPER LIMB



3D



Orthopedics Planning Goes Digital

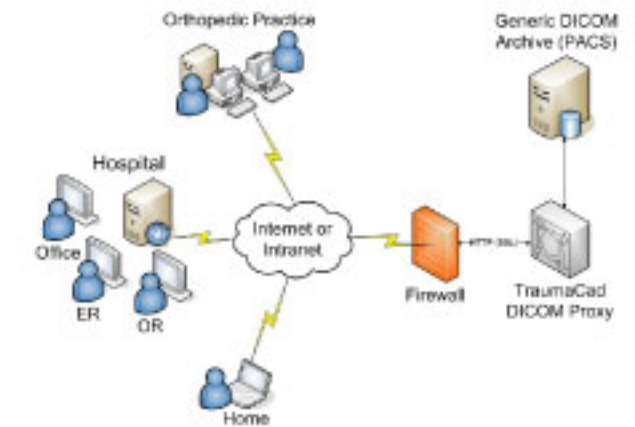
Preoperative planning is recognized as an essential step in elective surgery and as an important component in trauma surgery. Many Surgeons are still conducting fracture treatment planning, joint replacement and deformity correction process on the basis of two-dimensional (2-D) conventional X-ray images with the tracing process. TraumaCad was designed by Surgeons to provide a better way to conduct procedure planning.

TraumaCad allows surgeons to develop a pre-operative surgery plan via clinical manipulation of digital orthopedic images utilizing the best in image processing techniques, including the application of digitally rendered and accurately sized fixation systems or prosthetic systems. The application also includes a set of tools to visualize the reduction of fractures, to determine the axis of deformity, to simulate osteotomy procedures, and much more.

What's new in TraumaCad 2.0

- 3D Templating over MPR image
- Plate Bending
- Trauma Implants Grouping
- Spine
- Foot and Ankle

Over 700 web based installations world wide

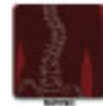
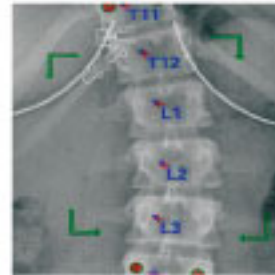


The introduction of PACS allows for advantages over film-based pre-operative templating. TraumaCad enables surgeons to plan operations on screen, execute complex measurements in a click, and facilitate the film-less orthopedic practice. Integrated easily and fully into all PACS systems, TraumaCad can be deployed overnight in any clinic or hospital.



HIP REPLACEMENT

Semi-Automatic hip replacement templating, including complex reconstruction and modular implants.



SPINE PLANNING

Specific spine common orthopedic measurement tools. Ability to simulate osteotomy and fragments translation.



KNEE REPLACEMENT

Multi-view: Split screen AP and Lateral simultaneous view for knee templating and measurement tools.



FOOT & ANKLE

Innovative foot and ankle module with common foot measurement tools. A unique wizard for the semi automatic collection of all hallux valgus related angles.



TRAUMA PLANNING

TraumaCad can define, rotate, relocate, and copy fracture fragments and implants.



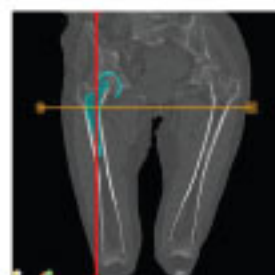
UPPER LIMB

Optimization of standard primary joint replacement, complex reconstructions and osteotomies.



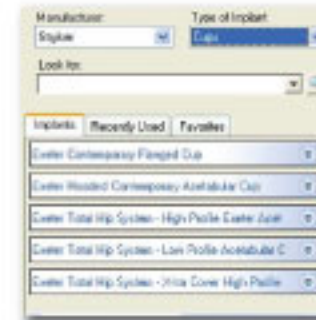
PEDIATRIC PLANNING

Easy-to-use wizards help surgeons produce a wide range of anatomical measurements such as mal-alignment & deformity correction, acetabular index, growth multiplier and more...



3D TEMPLATING

TraumaCad 3D suite offers orthopedic surgeon to manipulate & template 3D images including: Hip, Knee, Spine & Foot.



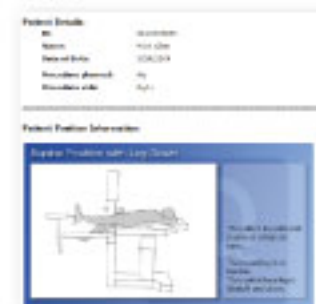
Templates

Extensive list of over 20,000 different templates available to sort by manufacturer, recently used, favorites and search by open text bar.



Measurements

Procedure specific common orthopedic measurement tools and semi-automatic wizards guiding through the measurement step by step. Detailed illustration for every measurement tool.



Report

Comprehensive reporting function. The report includes the templated image thumbnail, list of implants used and any measurements taken. It also includes the patient positioning, X-Ray and additional OR requests. This report can be saved as a DICOM image in the PACS.

