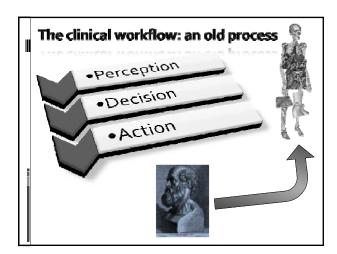
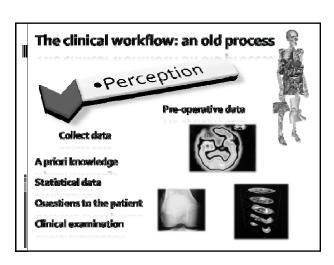
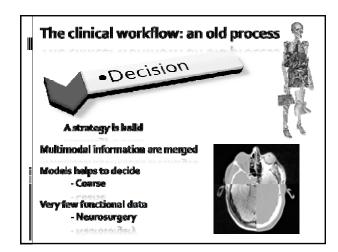
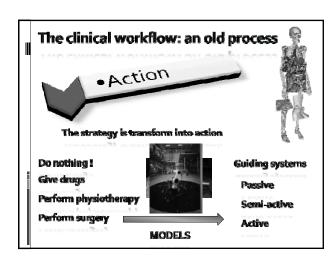


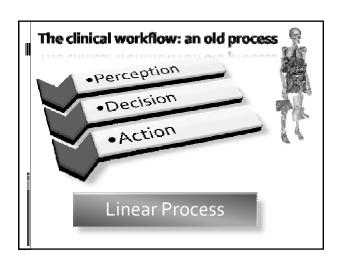
Modeling the patient: a global process From simple models to complex system A complex system is a system composed of interconnected parts that as a whole exhibit one or more properties (behavior among the possible properties) not obvious from the properties of the individual parts. Systems can be too complex to be useful Systems can be too complex to be integrated in clinical practice What do we really need as clinicians? What do we really use as clinicians?

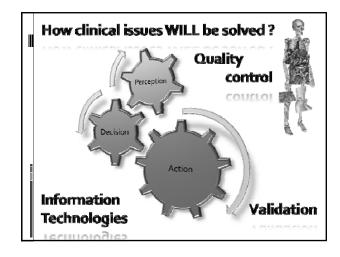




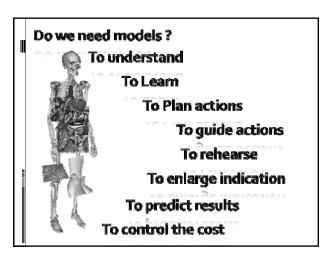


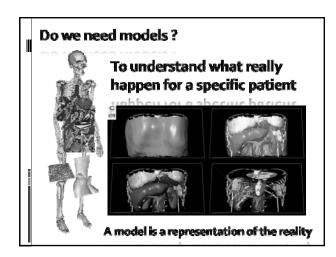


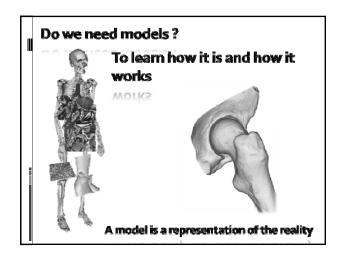


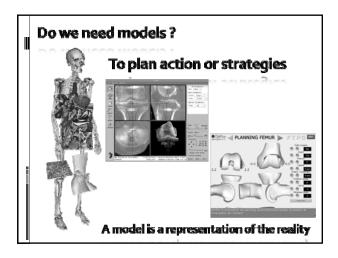


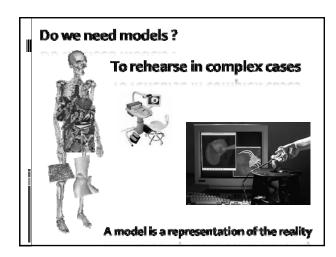
DOWE NEED MODELS? AND FORWHAT?

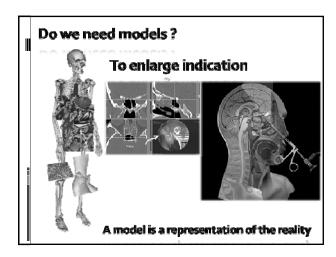


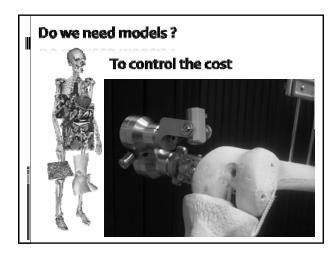


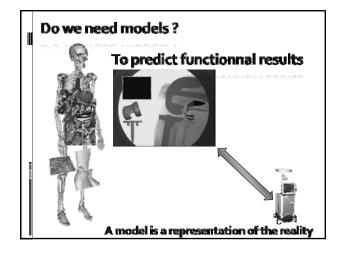




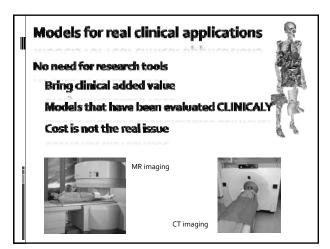


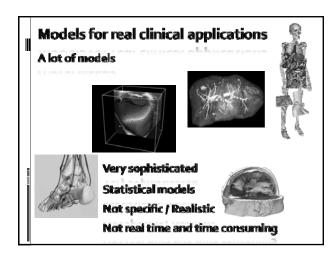


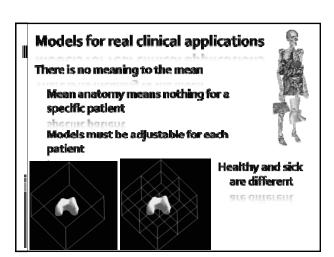


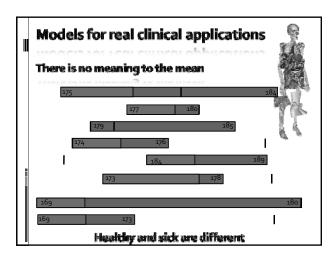


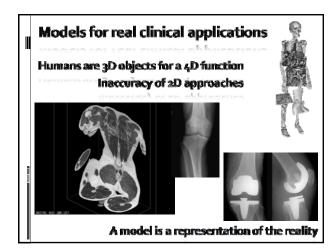
WHAT KIND OF MODELS ARE REALLY NEEDED BY CLINICIANS?

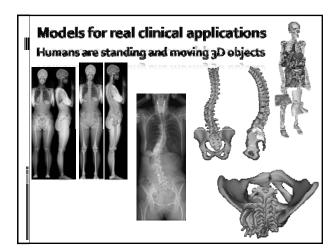


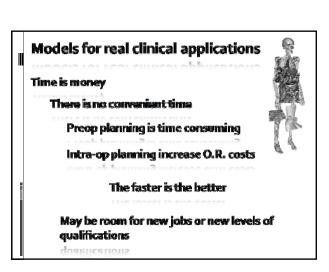






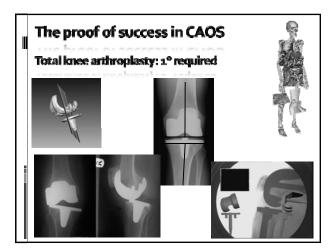


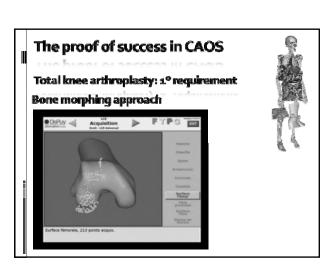


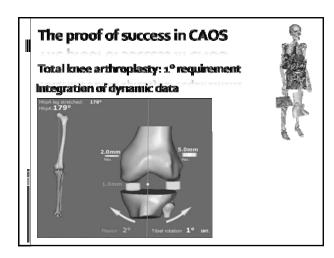


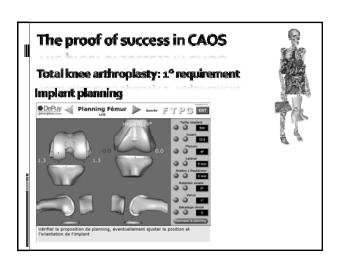
Models for real clinical applications Simplicity means adoption Light workflow is mandatory	
Index Market like CT-SCAN (I/RI) Data transfer Data transfer	
3D modeling Tools calibration	
Models for real clinical applications Answer to a real clinical issues Ouickly Transparency Accurately	
Safely Maturity With high reproducibility Specific of one patient	
Keep them simple for the patient and the clinician The school or chapel effect !!!	
THE PROOF OF SUCCESS IN CAOS	

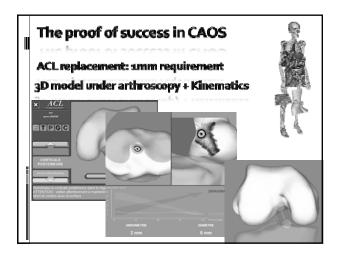
The proof of success in CAOS Really introduced applications Computer Assisted Orthopedic Surgery Real time Statistical models are merge with patient data Specific anatomy Limited Clinically oriented to answer to narrow issues Several hundreds of thousand of patients

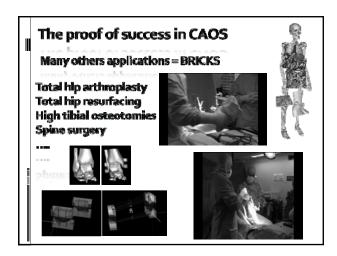


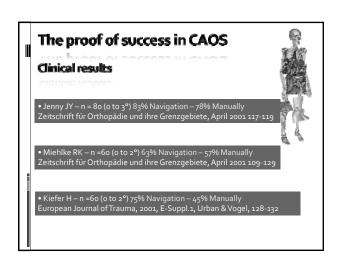


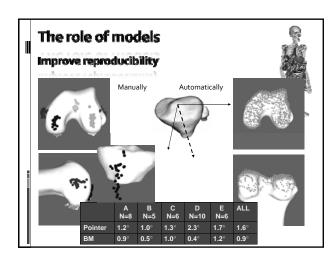




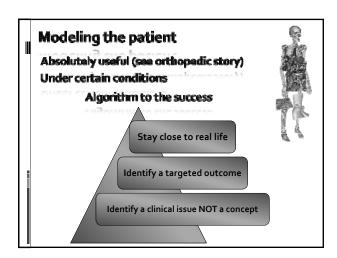


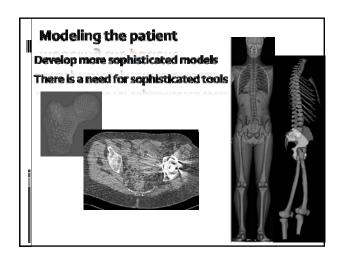






CONCLUSION





Modeling the patient

We are there for that:

To Merge clinicians and researchers

To fight against real targets and not philosophic ideas

To find solution for patients and clinicians

Lot of conferences and very few clinical integration???

Perform validation in the real world !!!!

