

Collaborative Engineering

Design for Maintenance / Service – TKP

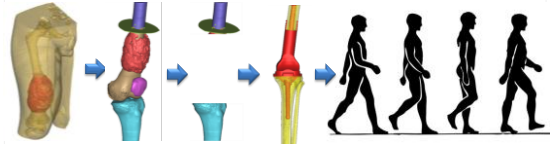


PresenterMedia

- Serviceability, Maintenance
- Extension Pieces
- Bearing Bushes
- Tibial Polyethylene

OrthoCAD Lab, I.I.T. Bombay

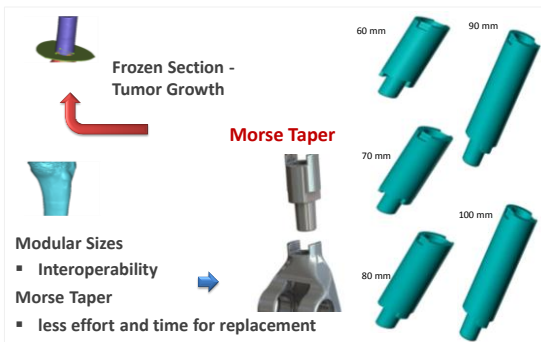
TKP Design for Serviceability, Maintenance



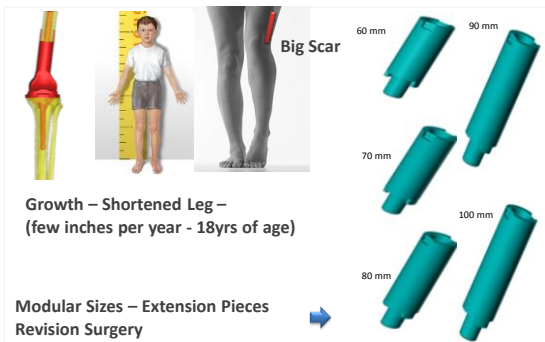
3D Reconstruction Resection Planning Positioning & alignment Functioning & Life

- Service – To check system for designed life
- Maintenance – To achieve designed life
- Repair – Maintenance in case of failure

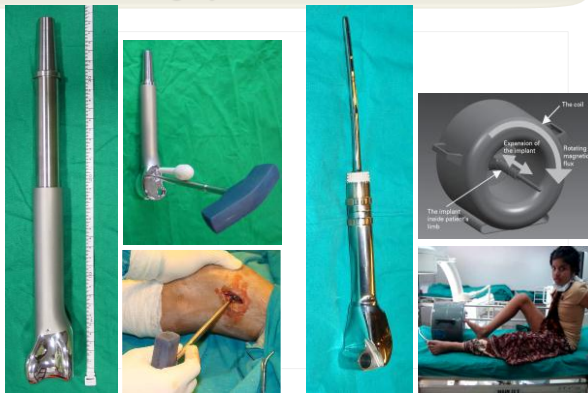
Frozen Section



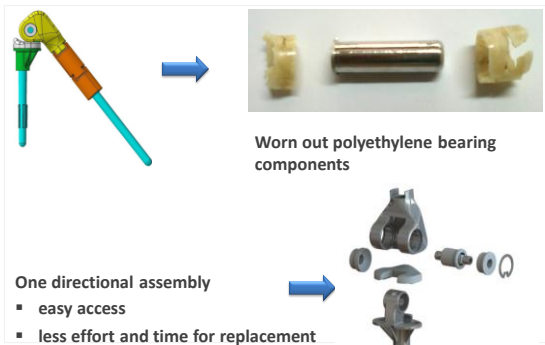
Extension Surgery – Invasive



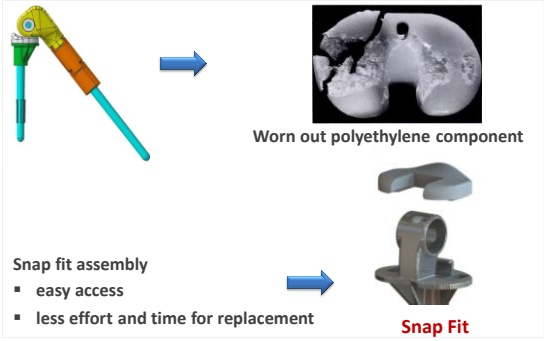
Extension Surgery – Minimal or Non – Invasive



Revision Surgery – Bearings



Revision Surgery – Bearings



SUMMARY

- Design for Interoperability
- Parameters for Serviceability Recording
- Ease of operations and less DOF
- Less Time and Numbers for revision surgery

