

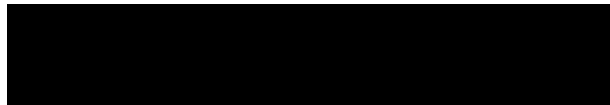


THE PURPLE  
SPARK

## 3D PLANNING & PRINTING CASE FILE

**PRIVATE & CONFIDENTIAL:** ONLY FOR PATIENT'S USE  
NOT TO BE CIRCULATED

PATIENT'S NAME -



AGE & GENDER -

37 YEARS, MALE

CASE ID -

2404003

DIAGNOSIS -

RECURRENT MYXOID LIPOSARCOMA

DOCTOR-

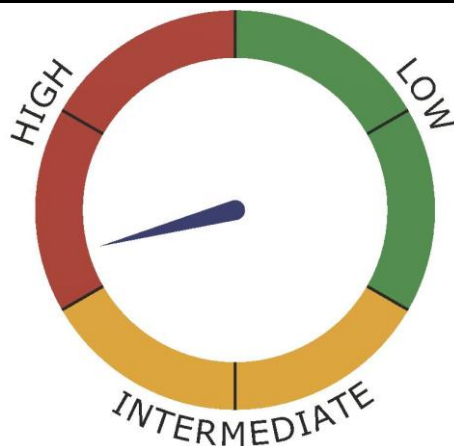
DR. PRAMOD S CHINDER

## ANALYTICS

No. of Hours	Plan Discussion	Segmentation	Design & Development	3D Printing (models, jigs, guides)	Cumulative Hours
3D Process Engineer	4	6	1.5	0	<b>≈12</b>

No. of Hours	Image Correlation	Plan Discussion	Implant Fusion & Finalization	Dry-Run (Mock Surgery with 3DP models)	Approximate Surgery Hours	Cumulative Hours
Clinician	1	4	0	0	9	<b>≈14</b>

## CASE DIFFICULTY & COMPLICATION LEVEL



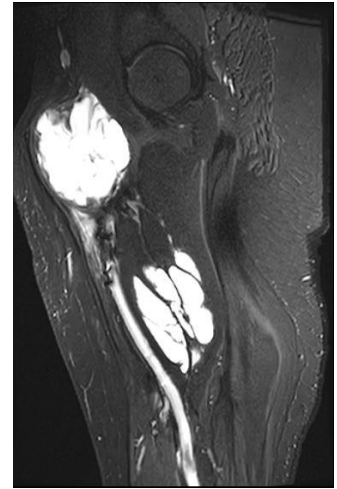
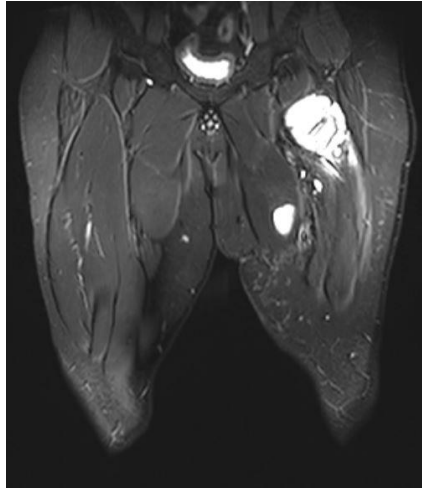
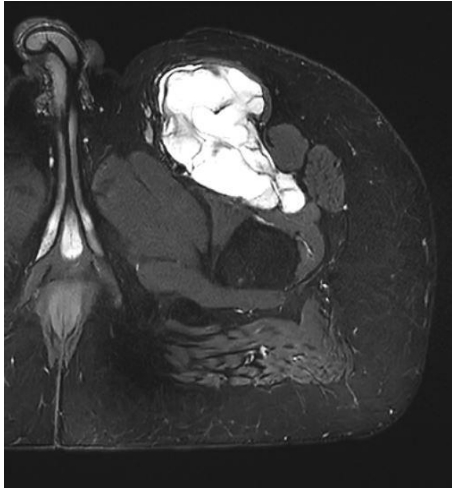
Signature

Design Engineer-Medical  
The Yellow Ribbon

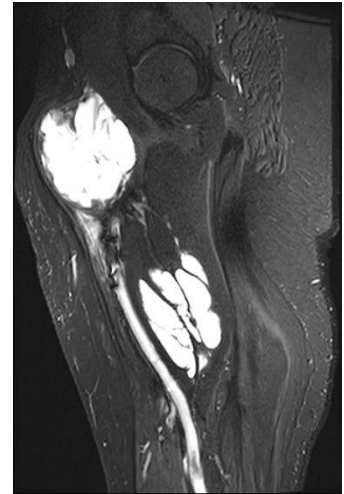
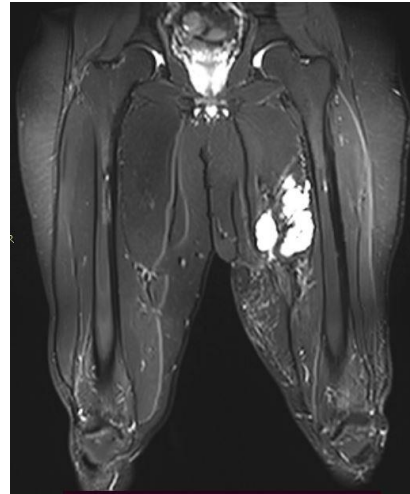
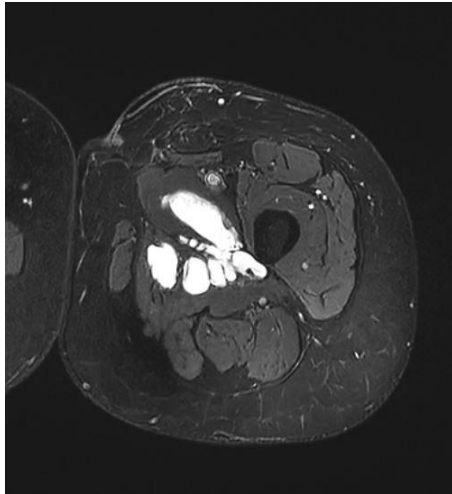
Signature

Clinician In-charge  
The Yellow Ribbon

## MRI IMAGES

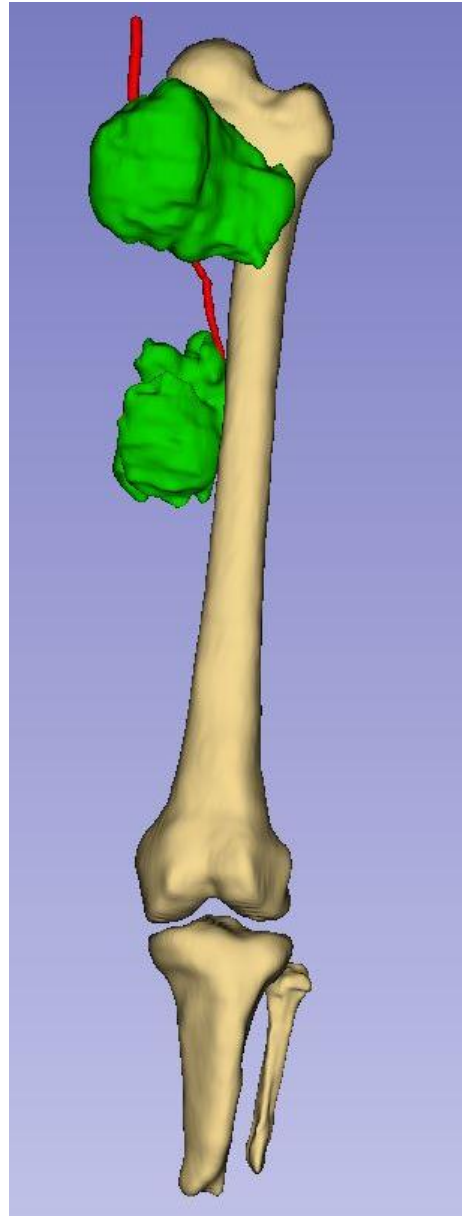


*Axial, coronal, and sagittal MRI images of the proximal mass*



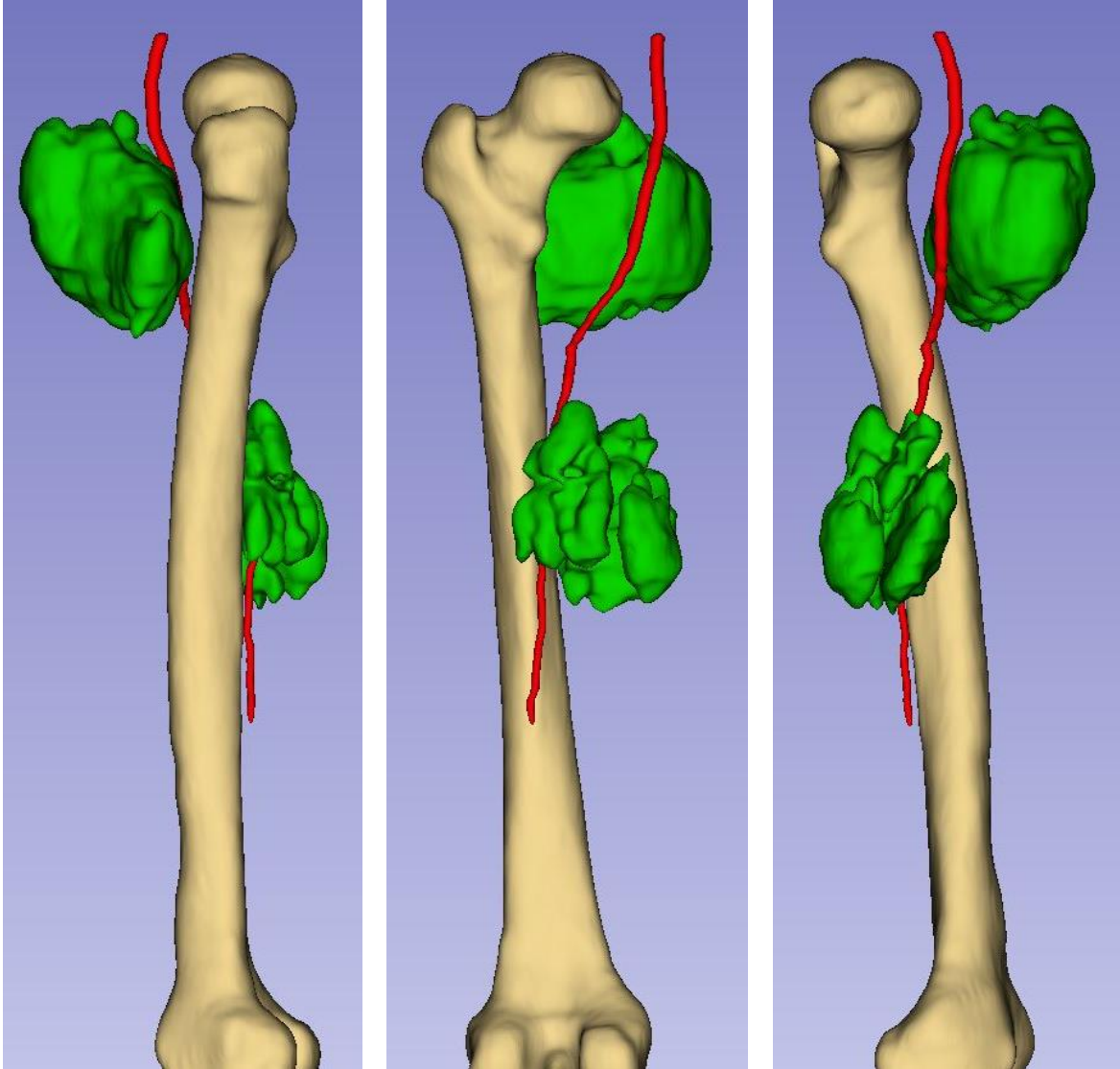
*Axial, coronal, and sagittal MRI images of the distal mass*

## SEGMENTED MODEL



*Anterior view of the segmented model*

- YELLOW:** Bones (Left femur, tibia, and fibula)
- GREEN:** Tumor masses (proximal & distal)
- RED:** Femoral artery

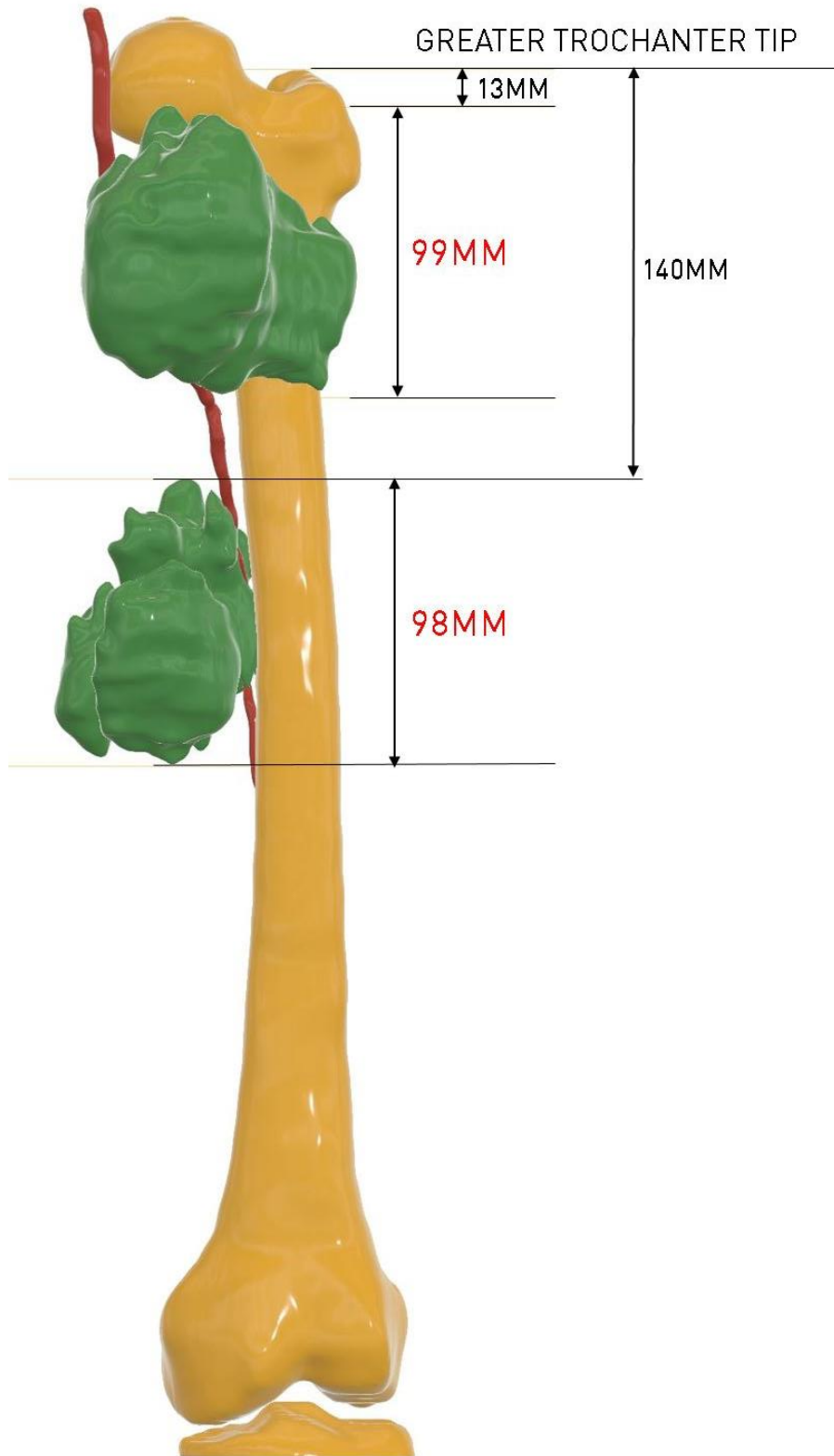


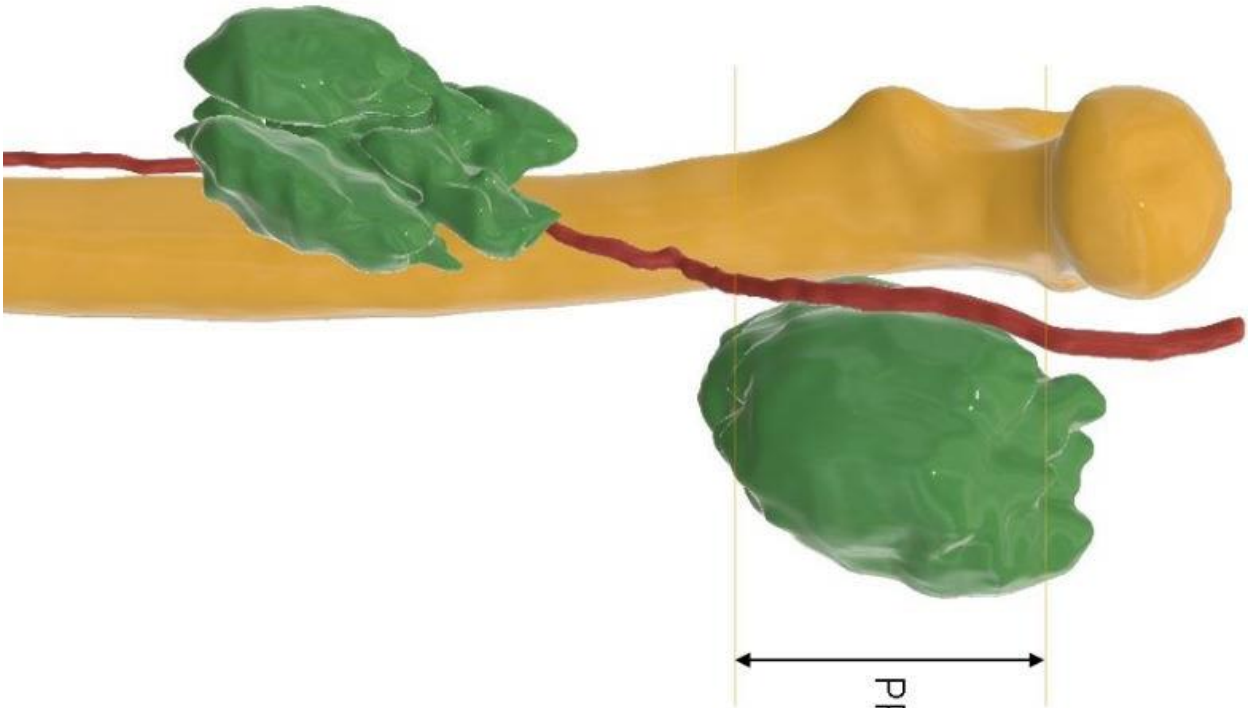
*Lateral, posterior, and medial views of the segmented model*

## PLAN

1. Wide Local Excision (WLE) of **proximal mass**
2. Wide Local Excision (WLE) of **distal mass**
3. Blood **vessel reconstruction** (Femoral artery)
4. Stump **debridement**

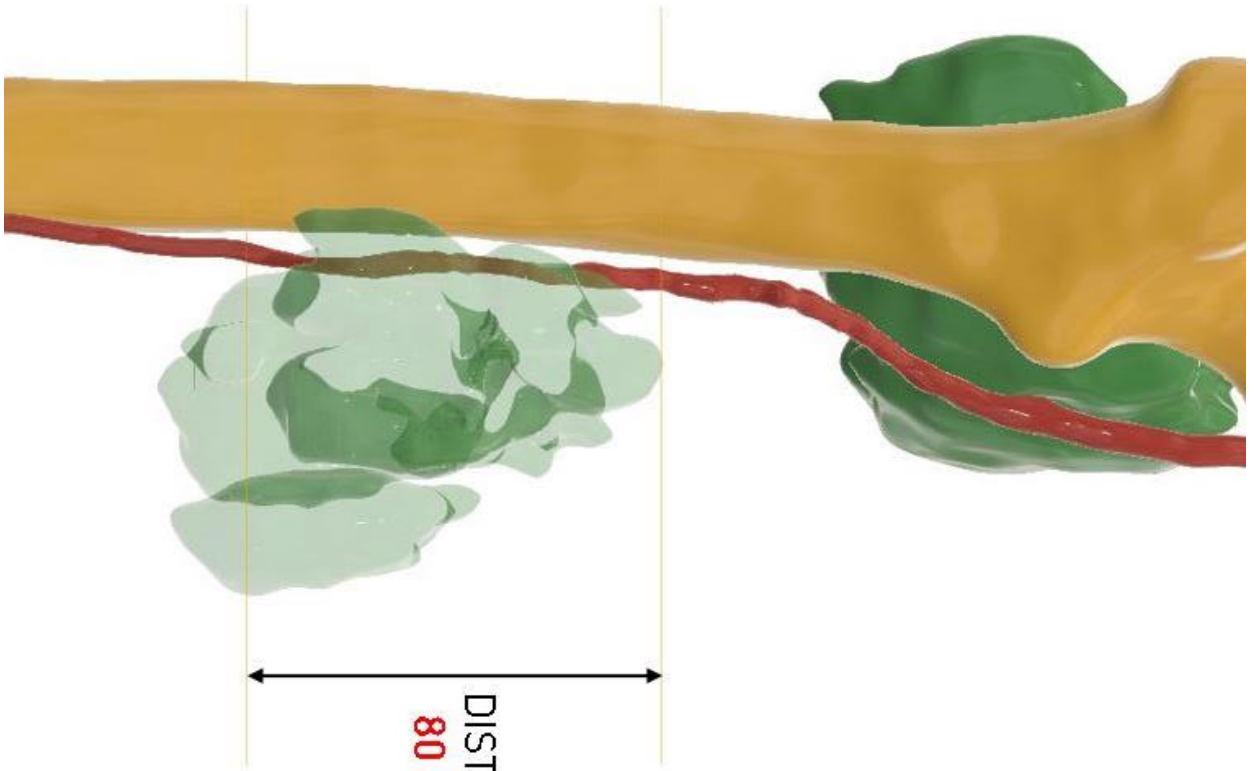
## MEASUREMENTS





PROXIMAL TUMOR VESSEL ENCASEMENT :  
**75 MM** LENGTH; **180°** ENCASEMENT





DISTAL TUMOR VESSEL ENCASEMENT:  
**80 MM** LENGTH; **360°** ENCASEMENT