







RADIUS DIGITALLY DESIGNED & 3D PRINTED METAL IMPLANT FOR AIIMS, GUWAHATI



DEPARTMENT OF ORTHOPAEDICS

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BY: AMTRON & AIIMS, GUWAHATI



















AIIMS, GUWAHATI TEAM











Preoperative Condition Condition (Left Hand)









Proximal view

Distal view

Lateral view

Medial view









Metal 3D Implant Design Process



Radius Resection at 80 mm

Resected Radius

Grey -Mirrored

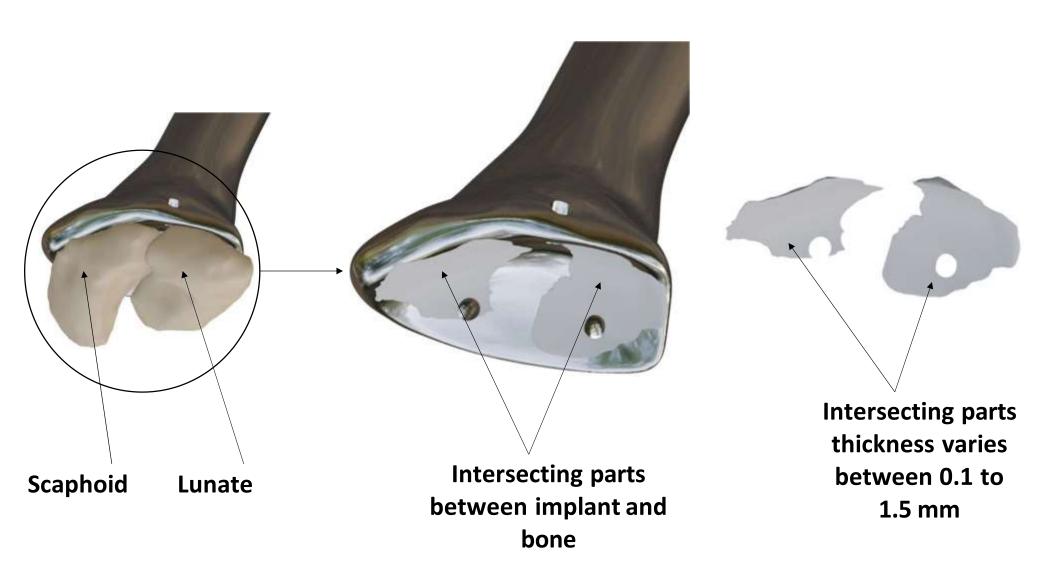








Digital Design Elements











3D Implant – Digital Design Views



Proximal view



Distal view



Proximal View



Distal View

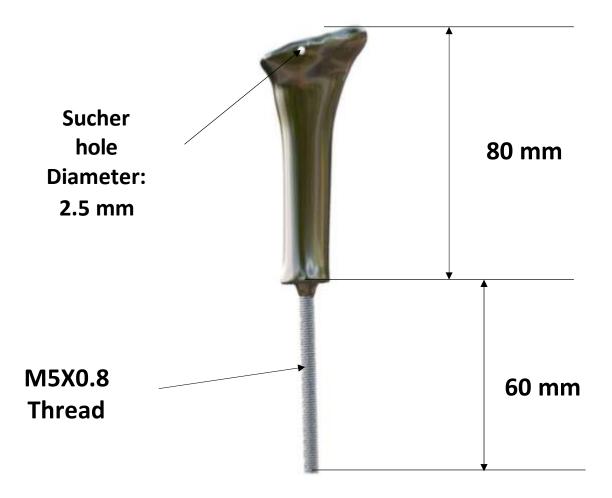












Implant design on Resected Side

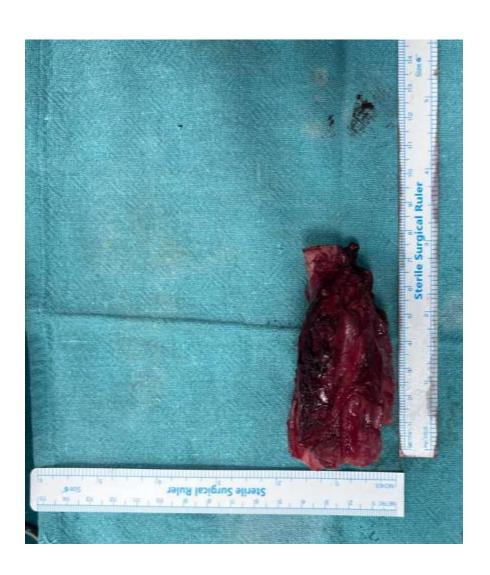








Tumor Excised



Gap After Tumour Removal











Suture Passed Through Suture Hole



Suture Placed & 3D Printed Prosthesis Implant put in position

