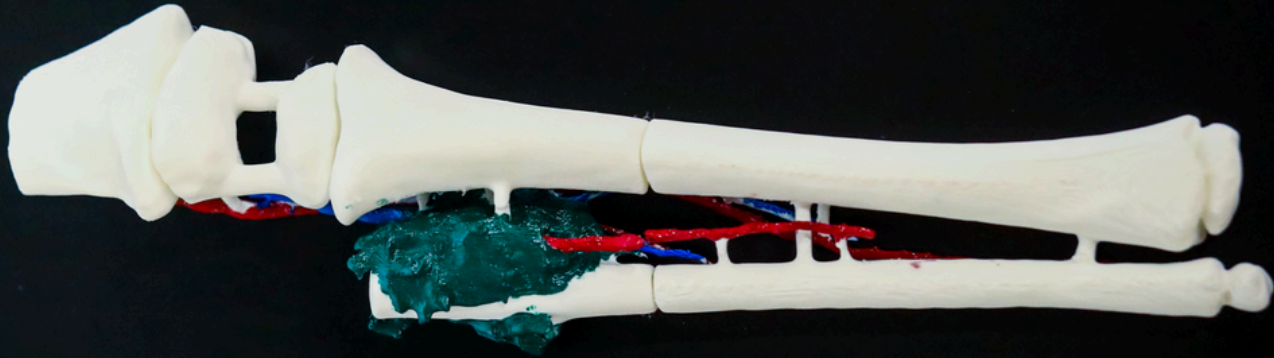


BENEFITS OF 3D-PRINTED SURGICAL MODELS



THE PURPLE
SPARK



Surgical models are 3D-printed replicas of patient anatomy created from CT/MRI data. These life-size, high-fidelity models allow surgeons to plan, practice, and simulate procedures before stepping into the operating theatre.



DOCTORS

- Clear visualization of complex anatomy
- Accurate pre-operative planning
- Practice cuts, screw placements, or resections on the model
- Improved team communication & confidence in OT



PATIENTS

- Safer surgeries with reduced risks
- Faster surgical time → lower anesthesia & OT costs
- Better explanation of procedure → improved patient confidence
- Reduced chances of revision surgery