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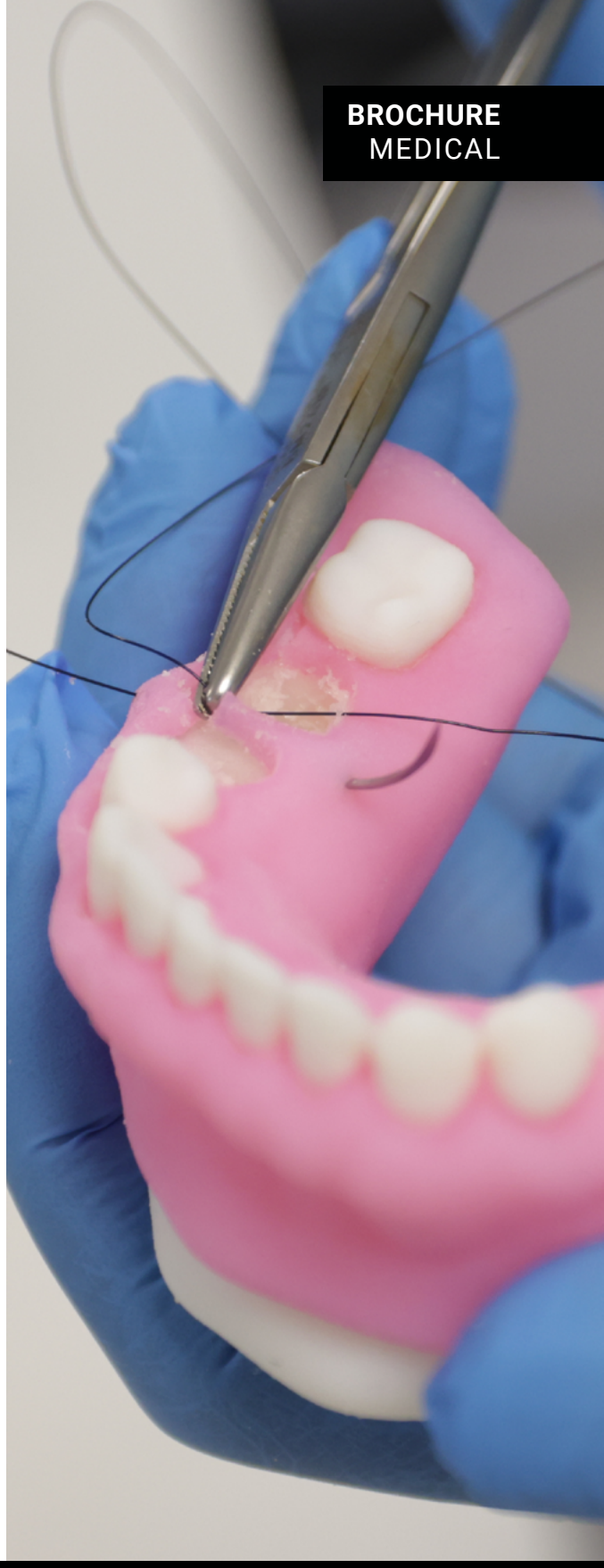
BROCHURE
MEDICAL



Bring Anatomy to Life

Simulate Anytime, Anywhere
Anatomical Realism Within Your Reach

Empower your organization to:

- **Advance clinical excellence**
  Deliver superior hands-on dental training.
- **Prepare for procedural complexity**
  Practice advanced procedures with confidence.
- **Accelerate dental device R&D**
  Validate and refine devices with precision.
- **Standardize training outcomes**
  Reduce variability in clinical education.
- **Eliminate logistical and ethical barriers**
  Move beyond cadaver and animal dependence.

“

These models closely mimic real tissue, providing a natural tactile feel with standard instruments. Their value as a pre-clinical training tool is significant, offering a highly realistic experience before performing procedures on patients—truly a game changer in dental training.

***Prof. Samer Srouji** - Head of Oral and Maxillofacial Surgery Department & Head of the Galil College of Dental Sciences*

Remove Risk. Remove Complexity.

Cadavers & Animals	VS	Digital Anatomy™
Inconsistent. Limited human accuracy; degraded fidelity.	**Anatomy & Realism**	**High Fidelity.** Human-specific, high repeatable anatomy.
Limited. Restricted to the "case" the specimen provides.	**Customization**	**Fully Customizable.** Train for the case you want - Not the one you get.
High cost. Procurement, storage, disposal.	**Cost & Logistics**	**Low.** Cost-effective per unit; easy to store and transport.
Restricted. Limited to specialized labs or surgical facilities.	**Accessibility**	**Portable.** No cold chain. No lab dependency.
Complex. Requires strict ethical approvals and biohazard permits.	**Ethics & Regulation**	**Simple.** No ethical concerns or regulatory hurdles.
Risky. Infection and contamination concerns.	**Safety & Hygiene**	**Safe.** Safer for institutions. Safer for learners.

Controlled Pathology. Repeatable Results.

Objective Assessment
Test every trainee on identical anatomy to create a fair, standardized competency benchmark.

Scalable Workshops
Produce identical dental arches for any group size at the touch of a button.

Free Practice
Master high-stakes procedures like sinus lifts in a safe, repeatable, and on-demand setting.

Innovation Without Operational Burden.

Immediate Validation
Move from digital design to physical testing of implants and guides in hours, not weeks.

On-Demand Evaluation
Shorten development timelines with predictable, in-house biomechanically realistic simulation.

Competitive Marketing
Equip sales teams with high-fidelity models that demonstrate device performance in any environment.

Detnal Clinical Application

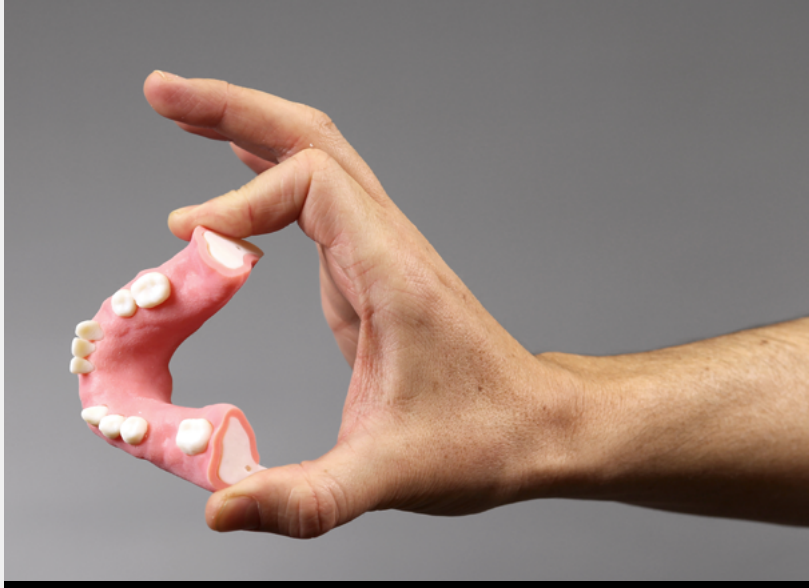
Implantology & Oral Surgery
Implant placement and surgical tooth extraction

Endodontics
Root canal treatment

Periodontics
Flap surgery and sinus lift procedures

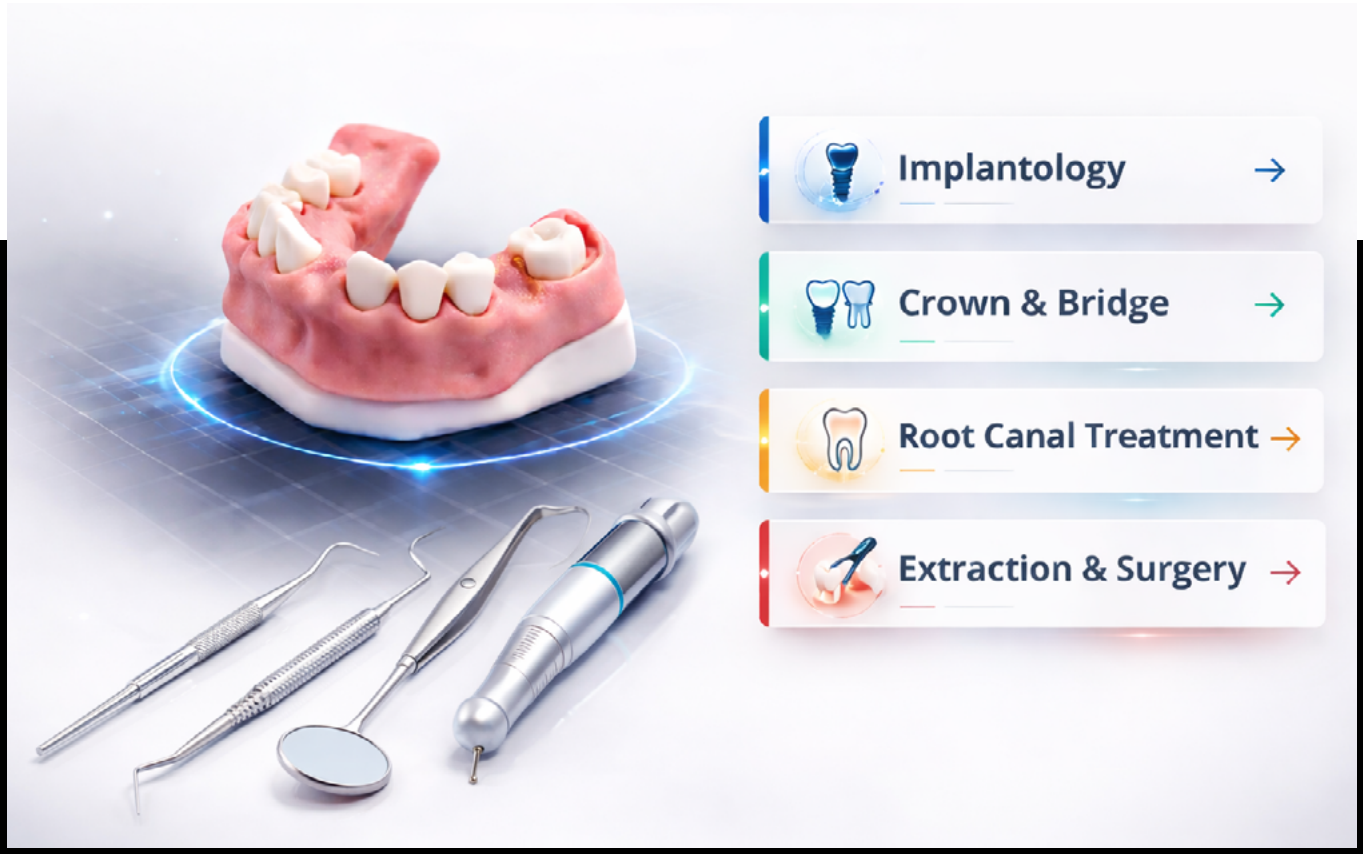
Restorative Dentistry
Crown and cavity preparation

Complex Pathologies
Management of complex dental pathologies



> *The gingiva feels realistic and holds up well without tearing. Tooth extraction provides natural resistance during elevation and removal, closely resembling the feel in the mouth. The pulp also feels realistic and consistent, resulting in an overall highly lifelike experience.*
>
> ***Dr. Neal Postel,*** *Doctor of Dental Surgery*

Choose Your Anatomy in GrabCAD Print™



Digital Anatomy™ Technology

Engineered fo Growth and Innovation

Stratasys 3D printing optimizes your workflow from the classroom to the R&D lab by **making high-fidelity simulation an on-demand reality.**

The J5 and J850 Digital Anatomy™ 3D printers produce biomechanically accurate models that mimic human anatomy. Create patient-specific pathologies in-house to enhance surgical prep and accelerate device innovation.

Materials that Push Boundaries

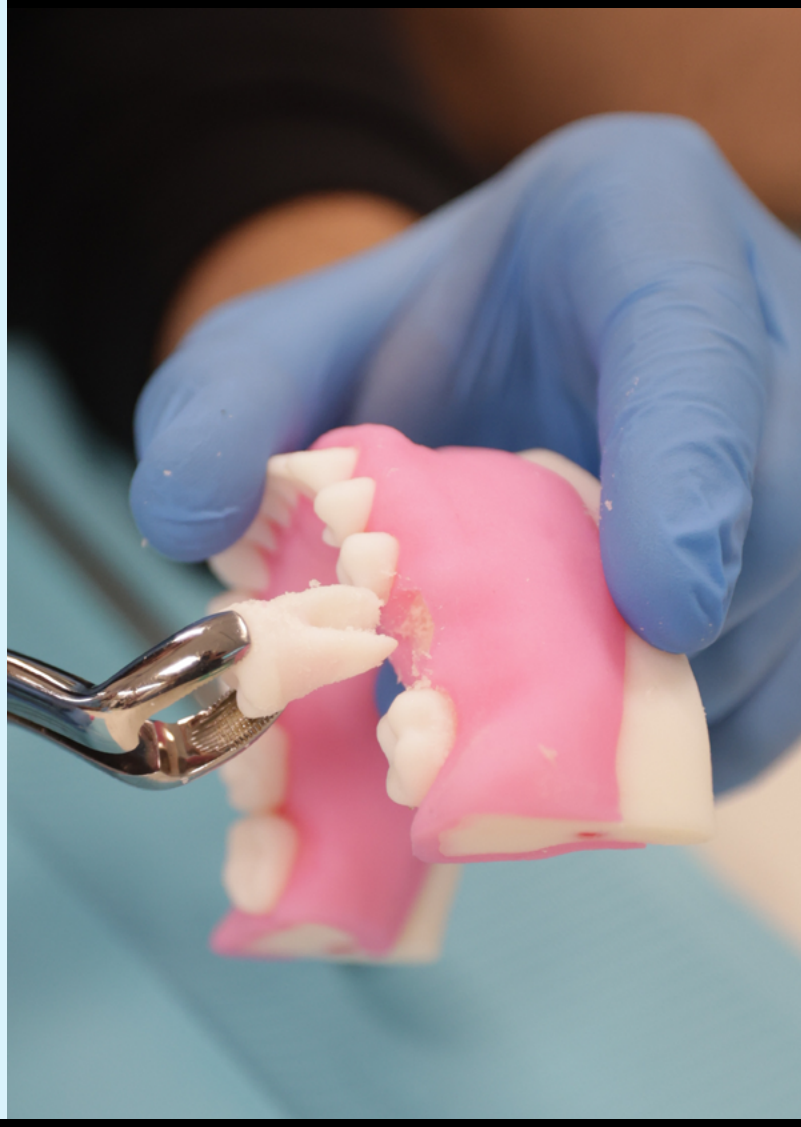
Innovative materials combined with advanced software empower you to create anatomical models that **replicate the look, feel, and biomechanical** behavior of human tissue and bone.

Bring dental training and innovation to life with **vivid, sterilizable, and biocompatible** models in multiple materials and colors - designed to perform like the real thing.

Digital Anatomy™ Premium Materials

TissueMatrix® The softest 3D material for realistic gingival texture.	**BoneMatrix®** Replicates bone density for implant stability testing.
GelMatrix® Easily cleaned from small cavities like root canals.	**RadioMatrix™** High-visibility material for realistic X-ray and CT imaging.

> *These anatomical models offer exceptional realism in gingival texture and response, enabling effective suturing and surgical simulation. Their structural integrity also supports implant placement and primary stability testing.*
>
> ***Dr. Thomas Farmaki,** DDS, MSc, Certified Implantologist*



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Consult with an Expert