

CTARS

A 3D MEDICAL DEVICE COMPANY

CENTRE FOR TECHNOLOGY ASSISTED RECONSTRUCTIVE SURGERY

HELPING OUR DOCTORS TO HELP OUR PATIENTS

We offer a unique combination of surgical and technical expertise of maxillofacial surgeons, plastic surgeons, orthopaedic surgeons, engineers, product designers, and software professionals. Through joint research and clinical application, the centre aims to pioneer the effective application of 3D Design and Manufacturing technologies in Reconstructive Surgeries.



Dr. John Nesan

WHAT DOES CTARS DO?

- Create a virtual environment for surgeons, researchers, trainees and designers to be able to work, design and develop
- Develop and provide patient specific implants/prosthesis designed collaboratively with surgeons, prosthodontists and technologists.
- Design and manufacture stereolithographic models prosthesis implant, surgical guides, instruments and appliances.



- **solving problems**
- **finding solutions**
- **one patient at a time**

VISTO (ANATOMIC MODELS)



Visual information can often reveal hidden facts.



Shorter surgical time



Preparing for surgery-simple and advanced



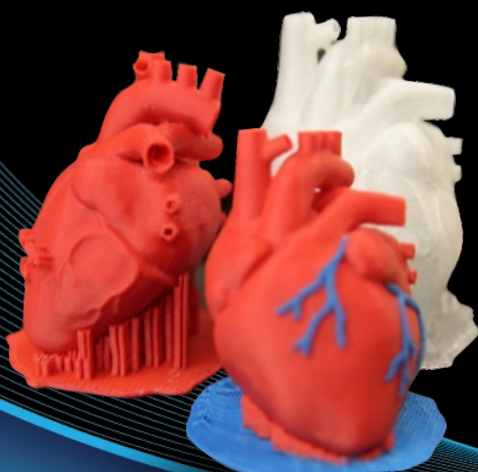
Pre-bend your plates



Collaborate with your surgical team



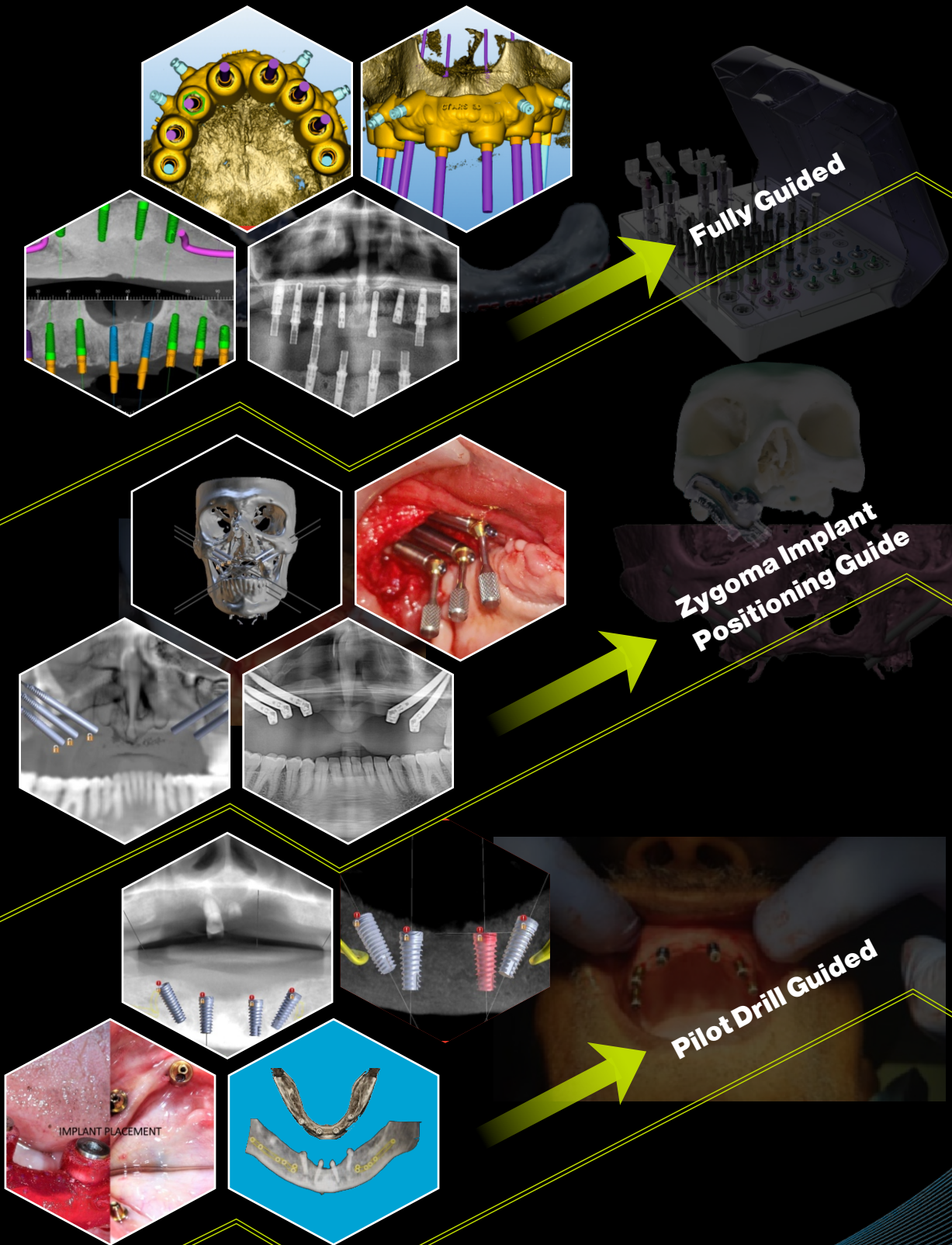
Validate your custom implant

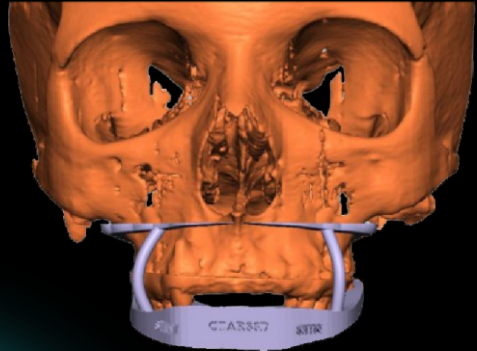
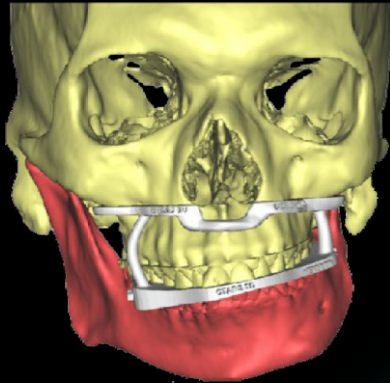


HAPPY PATIENT | HAPPY DOCTOR

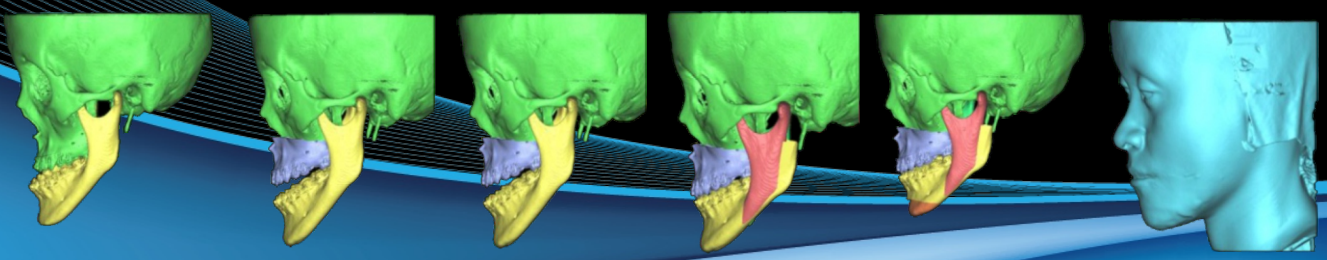
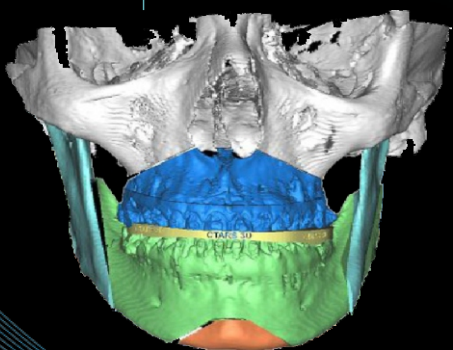
Eventually, this is what it is all about to help patients improve their quality of life and put a smile back on their faces.

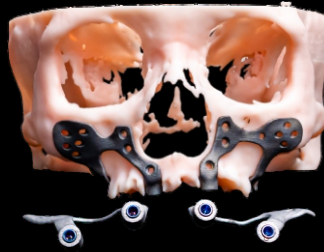
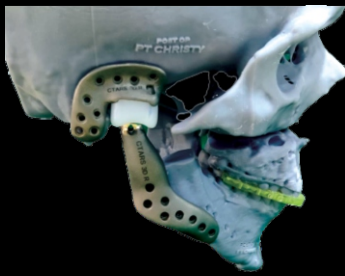
CTAR'S IPS (Implant Positioning System)



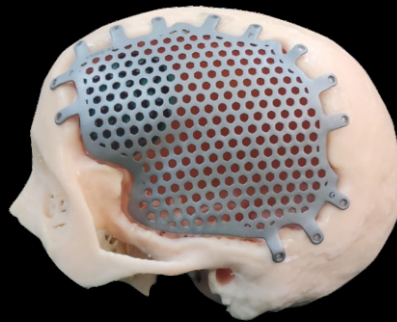
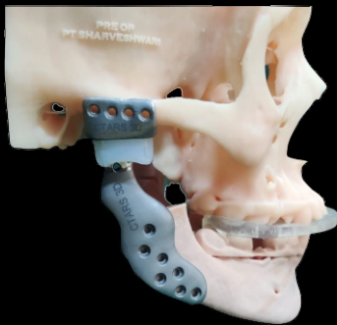


**BITE MARKS
(Orthognathic
3D Splints)**





PSI - Patient Specific Implant

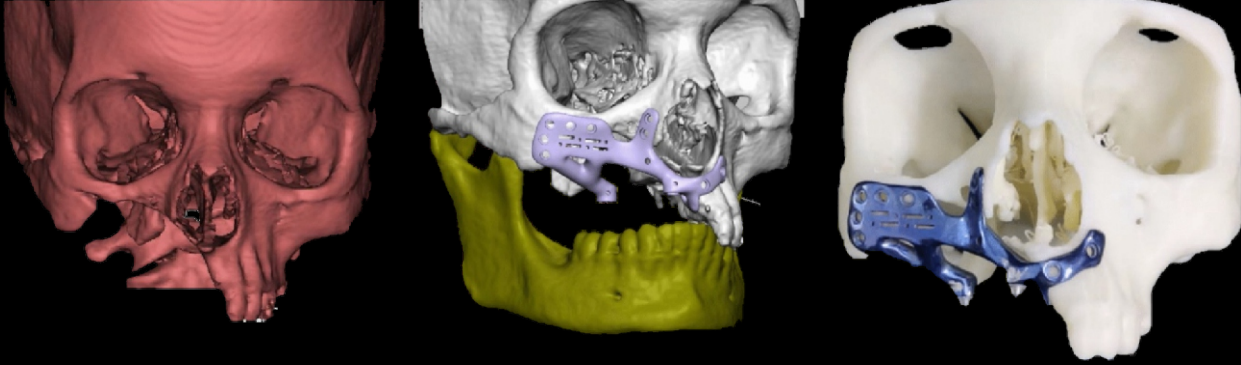


**RECONSTRUCTION
SIMPLIFIED**

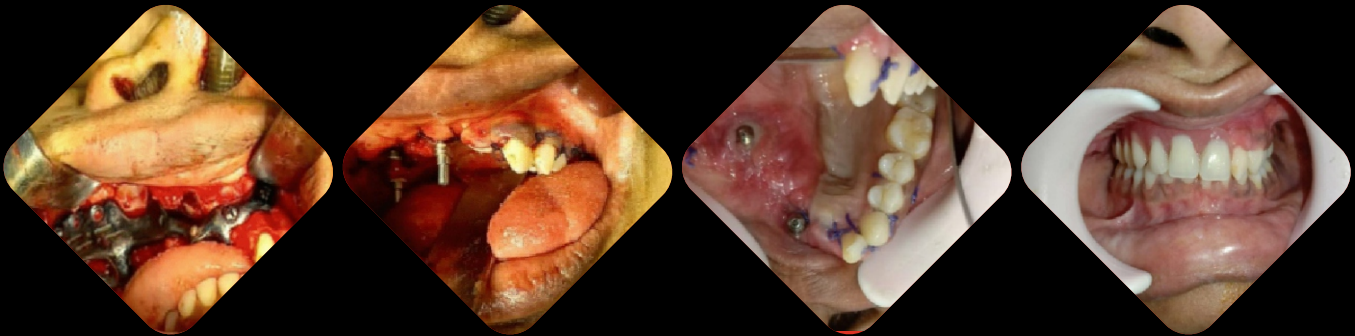
Customized

Reconstruction of Maxillectomy due to Mucormycosis

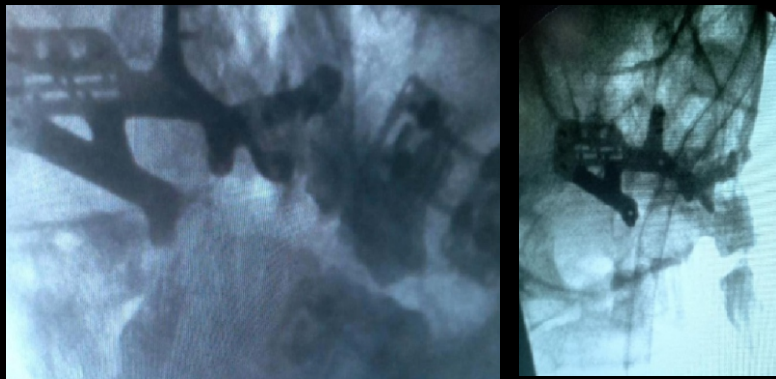
Pre-op Design



Clinical



Post-op



**REVOLUTION
IN CUSTOMIZED
RECONSTRUCTION**

At CTARS, we signalling a new approach in reconstruction for mucormycosis affected patient by using the custom made implants, you can make your statement in terms of function, esthetics and stability.



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