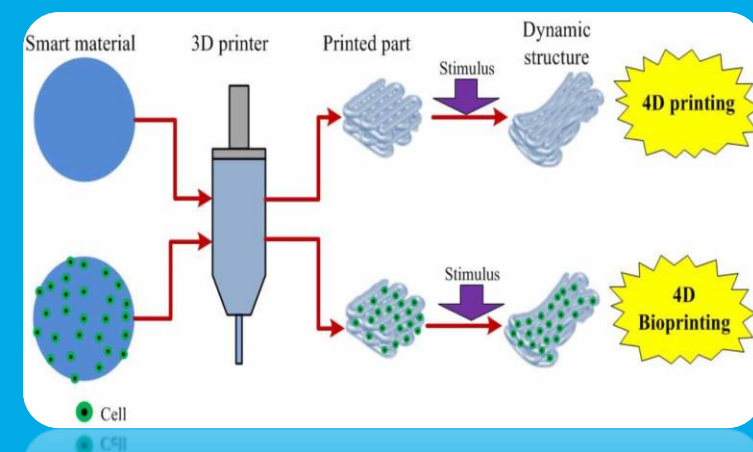
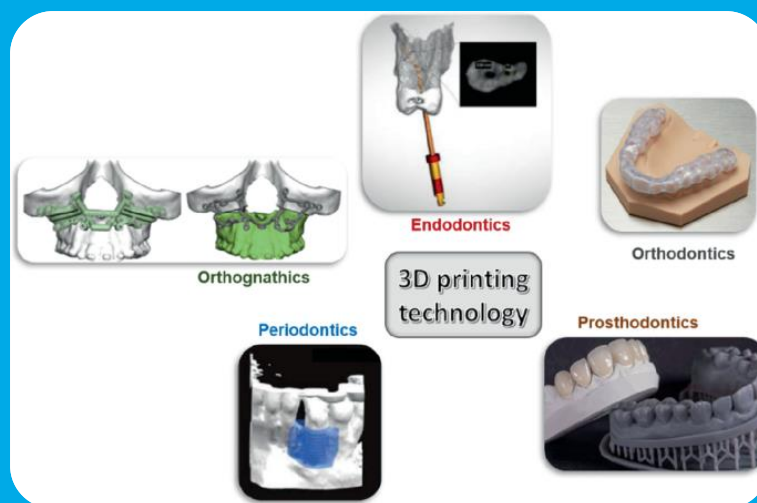


4D DENTISTRY: A BEACON INTO FUTURE DENTISTRY

4D Printing is a Technology that uses 3D printers that create objects that can change shape or properties over time in response to external stimuli

- ❑ Stimulation software
- ❖ Autodesc, CATIA, Open source
- ❑ Multimaterial printer
- ❖ Stratasys, ROVA, Solidview, Geomagic
- ❑ Smart materials
- ❖ Shape memory alloys, self healing materials



Principles of 4D printing

Dynamic material
Responsive design
Material response mechanism
Temporal dimension
Precision control

