BioSpectrum
the business of Bi
24 years of leveraging the business of Bio
www.biospectrumindia.co

Govt approves trial of worldâ??s first synthetic jaw-bone graft by Amrita Vishwa Vidyapeetham

26 May 2022 | News

The project is funded by Dept of Science & Technology, Govt. of India, and BIRAC



Amrita Vishwa Vidyapeetham has got a Central Drugs Standard Control Organization (CDSCO) approval for conducting a pilot clinical trial for a novel bone graft developed jointly by Amrita School of Nanosciences, Amrita School of Medicine and Amrita School of Dentistry, Kochi.

The project was funded by the Dept of Sciences and Technology, Government of India, in the initial lab phase and then by Biotechnology Industry Research Assistance Council (BIRAC) for the translational large animal testing and regulatory testing phases.

The synthetic bone graft, named Nanotex Bone, provides a first-of-its-kind solution in the world for patients who lose part of their lower jaw (mandibular bone) due to cancer, injury, or trauma.

The product, patented by Amrita Vishwa Vidyapeetham, also accepts tooth implants, enabling patients to lead a close-to-normal life even after losing a portion of their oral cavity bone.

The clinic trial, which entails testing on ten patients, will be conducted at Amrita School of Medicine and Amrita School of Dentistry, Kochi. It is expected to be completed in two years.