

Foundation Healthcare launches Singapore's first autonomous dental implant surgical robot

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To advance the future of implant dentistry in Singapore



Foundation Healthcare Holdings, Singapore's largest private multi-specialty group, has announced the launch of the Foundation Oral Maxillofacial Surgery Centre at Farrer Park Medical Centre, a dedicated specialist centre that combines experienced oral and maxillofacial surgeons, advanced digital planning, and Singapore's first autonomous dental implant surgical robot to support the delivery of safer, more precise, and more predictable implant treatment for patients, particularly in complex cases.

Established in partnership with Beijing Yakebot Technology, the Centre also marks the start of a strategic collaboration with the National University of Singapore (NUS) Faculty of Dentistry to advance education, research, and the responsible clinical adoption of robotic implant surgery in Singapore.

Developed by Beijing Yakebot Technology, the autonomous dental implant surgical robot is the first dental surgical robot to receive European CE certification and approval through China's National Medical Products Administration (NMPA) Innovative Medical Device pathway.

The robot combines three-dimensional digital treatment planning with autonomous surgical execution under continuous surgeon supervision.

Strategic collaboration with the NUS Faculty of Dentistry will support research into robotic implant surgery, education for clinicians and students, and the responsible development of new technologies in oral and maxillofacial surgery. The collaboration aims to ensure that advances in robotics are introduced with appropriate clinical governance, evidence-based research, and professional training.