



**International College of Prosthodontists**  
**19<sup>th</sup> Biennial Scientific Session - VIRTUAL - September 22 – 25, 2021**

**Program Speaker – Haiyang Yu**

**Title**

Design Rules and Clinical Practice of Digital iTRS Guide for the Physical-Measurement-Guiding of Implant Prosthodontics

**Abstract**

When the limited space of missing teeth requires the implant to have linear error at entry point and apex point less than 1.2mm and 1.5mm respectively, angle error less than 3.5°, which exceeds the precision of static guides, it is of significance to determine the correct implant site and adopt the appropriate guiding method so as to improve the accuracy of implant placement. This presentation introduces the concept of target restoration space (TRS), points out the difficulties in achieving numerical requirements of virtual implant site during surgery by reviewing the characteristics and problems of current guided implant surgery, and elucidates the importance of intraoperative real-time measurement to obtaining high-precision implant site. Combined with the design and application of the measurable iTRS guide, the lecturer provides a new protocol for high-precision implant placement surgery.

**Biography**

Dr. Yu Haiyang is Chair Professor in West China school of Stomatology, Sichuan University. He is a specialist in aesthetic micro-prosthodontics, digital dental implantology and technology. Prof. Yu is currently a chairman designate of Prosthodontics Committee of Chinese Stomatological Association and the director of department of prosthodontics, West China hospital of Stomatology, which is one of the State Key Clinical Departments. Prof. Yu was elected as a fellow of International College of Dentists. He once served as the secretary-general of the 2<sup>nd</sup> National Stomatology Advisory Board under the Ministry of Education of China, deputy dean of West China School of Stomatology, and vice-chaired several committees of Chinese Stomatological Association such as Education Committee and Prosthodontic Technology Committee. He is the deputy editor of West China Journal of Stomatology and Bone Research Journal.