

Orthodontist's Role in Computer-Assisted Surgical Simulation

Surgical-orthodontic treatment requires the close collaboration between surgeons and orthodontists, and 3D imaging Computer-assisted Surgical Simulation provides a perfect platform for communication. Visualization of the treatment progress and outcome results in a comprehensive evaluation, an adequate treatment plan, and a precisely execution. In terms of orthodontist, 3D imaging Computer-assisted Surgical Simulation establish the relationship between set-up occlusion and skeletal position, which facilitates to determine a proper post-op occlusion. It also benefits surgery first approach because the occlusal interference can be managed in an adequate way, meanwhile, not compromises skeletal position. Otherwise, 3D imaging Computer-assisted Surgical Simulation also gives an clear information about the dental roots, especially around the segmental osteotomy site. In this way, the treatment outcome will be more precise and less complication. Several cases will be shown for explanation.