

Lecture 1.

*“Computer aided orthognathic surgery for the efficient and accurate treatment of dentofacial deformity”*

Dr. Bell will review the history of orthognathic surgery and the evolution of the current state of the art, multidisciplinary management of dentofacial deformity. Recent developments in virtual surgical planning, which has fueled technical innovations, the elimination of plaster models and more rapid surgical-orthodontic treatment, will be highlighted in the context of illustrative cases, with an emphasis on enhancing facial esthetics and optimizing functional outcomes.

Lecture 2.

*“Management of juvenile rheumatoid arthritis in children and adults”*

Dr. Bell will review the diagnosis and prevention of TMJ degeneration, the management of severe mandibular deficiency with short ramus height, and TMJ replacement with custom TMJ implants with simultaneous orthognathic surgery.

Dr. Bell is a fellowship trained oral and maxillofacial surgeon who specializes in the comprehensive surgical management of head and neck cancer and craniomaxillofacial deformity. He is currently Medical Director of the Providence Oral, Head and Neck Cancer Program and Clinic in the Providence Cancer Center at Providence Portland Medical Center; Attending Surgeon on the Trauma Service/Oral and Maxillofacial Surgery Service at Legacy Emanuel Medical Center; and maintains a private practice limited to orthognathic surgery at Head and Neck Surgical Associates in Portland, Oregon. Dr. Bell has published more than 200 scientific articles and textbook chapters as well as two textbooks: "Current Therapy in Oral and Maxillofacial Surgery" and "Oral Head and Neck Oncology and Reconstructive Surgery".