Crozat Arch Development: Crozat Mechanics for Children and Adults

by Dr. Jack Hockel

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This book demonstrates Crozat arch development mechanics in the permanent dentition and early expansion in the young child for non-extraction orthodontics, techniques also applicable in cosmetic dentistry and Invisalign orthodontics.

About the Book

The mechanics of arch development with the Crozat appliance for adults and early expansion in young children is described. The fascinating history of the Crozat, beginning with Dr. Crozat himself, is traced; the contributions of Dr. Albert Wiebrecht led to the concept of functional arch development in the adult dentition.

The book covers applications in a general practice, diagnosis and rationale for arch development, components and construction of the Crozat appliance, delivery, mechanics and activation, variations and additions to the basic appliance and examples of early expansion in the child and arch development in the adult dentition.

There is a place in the general and specialty practice for Crozat arch development in the permanent dentition, particularly in the fields of cosmetic dentistry and the new Invisalign technology, as well as early expansion in the young child. It is unquestionably the most comfortable, hygienic and inconspicuous of all removable orthodontic appliances. The public appreciates the esthetics of a full smile, and an initial phase of Crozat therapy reduces time in fixed appliances, which adults appreciate.

Crozat practitioners have long realized the potential of arch development for helping the patient with facial and temporomandibular pain, and new research in the field of cranial osteopathy has provided the insight for understanding the mechanism for this.

Young children tolerate Crozats easily, so a phase one treatment including expansion fits easily into a general practice for the dentist who takes the time and effort to learn the Crozat technique and orthodontic diagnosis.

About the Author

Dr. Jack Hockel practiced general dentistry in Walnut Creek, California for over 40 years. The last twelve years were limited to orthodontics. He taught gnathology and reconstruction in continuing education at UCSF from 1976-1983, and taught Crozat orthopedics and orthodontics from 1981 to 2007 for the American Academy of Gnathologic Orthopedics (AAOG) and in study groups. He has been the editor of the AAGO Journal since 1996. He edited "Orthopedic Gnathology" in 1983, published by Quintessence of Chicago. His interests, besides his family and orthodontics, include playing in bands and vegetable gardening.

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Dr. Jack Hockel
2651 Oak Grove Rd.
Walnut Creek, CA
94598