

BOOK REVIEW

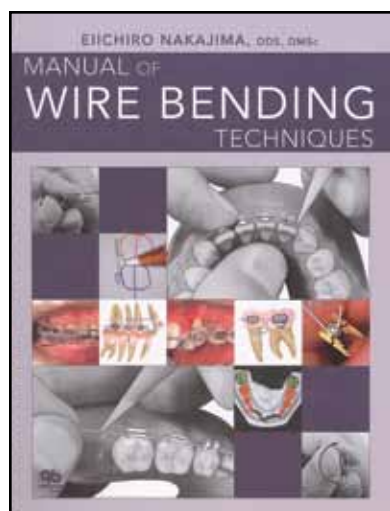
Manual of Wire Bending Techniques

EIICHIRO NAKAJIMA, DDS, DMS

87 pages. \$85. 2010.

Quintessence Publishing, 4350 Chandler Drive, Hanover Park, IL 60133.

(630) 736-3600; www.quintpub.com.



In this spiral-bound manual, Dr. Eiichiro Nakajima successfully uses a photographic, step-by-step approach to document the art of wire bending. He illustrates a wide variety of archwire mechanics, including six different loops; the straight section, retraction section, and stabilizing section

prior to utility-arch fabrication; and ideal mandibular arches and arch coordination. His frame-by-frame format succinctly documents what a student might experience in a wire-bending typodont course. The illustrations are mostly black-and-white, interspersed with color photographs highlighting the Biospecial plier and the mandibular visual treatment objective. In the accompanying text for each figure, Dr. Nakajima explains how to hold both the plier and the archwire, providing clear directions on the precise angle at which to bend the archwire.

The final section, "Corrective Techniques: Clinical Cases", employs color intraoral photographs and graphics to depict rotation, tip, torque, and vertical control. Clinical situations illustrated by the author include rotation of mandibular anterior teeth,

mandibular second premolars, and maxillary central incisors; correction of an ectopic, buccally displaced maxillary canine; treatment of a lateral open bite, a first-molar crossbite, and a step between the mandibular second premolar and first molar; resolution of Class II, division 2 deep bite in both adults and growing patients; and mandibular dental expansion. The last case involves finishing of a Class II, division 1 malocclusion following extraction of the maxillary second premolars.

Although there are more comprehensive sources for wire-bending instruction (for example, Ram Nanda's *Biomechanics in Orthodontics: Principles and Practice*, also published by Quintessence), this manual provides a good standard reference for orthodontic residents and a good review for practitioners.

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