

The Clinical Application for the Er, Cr: YSGG Laser System

An Atlas by Dr. William H. Chen

Er, Cr: YSGG Laser:

Introduction
Technology
User Controls
Fiber Tips

Soft Tissue Procedures:

Introduction
Biopsy
Labial Frenectomy
Lingual Frenectomy
Aphthous Ulcer Therapy
Gingival Recontouring

Veneer and Crown Preparations:

Introductions
Troughing in Crown
Impression
Er, Cr: YSGG-Assisted
Veneer Preparation
(Anterior Tooth)
Er, Cr: YSGG-Assisted
Crown Preparation
(Anterior Tooth)
Er, Cr: YSGG-Assisted
Crown Preparation
(Posterior Tooth)

Periodontics:

Introduction
Minimally Invasive
Periodontal Therapy
De-epithelialization /
Type IV Periodontal
Disease
Mandibular Molar
Furcation
Root Coverage using
Enamel Matrix Derivative

Laser Analgesia:

Introduction
Technique 1: Low Tolerance Patients
Technique 2: Low Tolerance Patients (Adults, Pediatric)
Technique 3: Low Tolerance Patients (Apprehensive Patients)
Technique 4: Higher Tolerance Patients
Technique 5: Higher Tolerance Patients
Technique 6: Customizing Analgesia
Technique 7: Amalgam Removal

Pediatric Dentistry:

Introduction
Pediatric Class I Cavity Preparation
Pediatric Class II Cavity Preparation - Slot Design
Pediatric Class II Cavity Preparation - Tunnel Design
Pediatric Class III Cavity Preparation
Pediatric Class IV Cavity Preparation
Pediatric Class V Cavity Preparation
Pulpotomy
Extraction of Loose Deciduous Teeth

Oral Surgery:

Introduction
Crown Lengthening
Laser-assisted Tooth Extraction
Impacted Third Molar Removal
Torus Removal
Hemostasis
Gum Bleaching
Gingivectomy to Uncover Implant
Placement of Implant
Placement of Implant in Narrow Ridge

Operative Dentistry:

Introduction
Class I
Class II
Class III
Class IV
Class V

Endodontic:

Introduction
Anterior Teeth
Bicuspid
Molars
Endodontic Procedures
without Anesthesia
Apicoectomy
Radial-Firing Tips
Pre- and Post- Root Canal
Therapy X-Rays

Gold Handpiece:

Introduction
Class I
Class II
Class III
Class IV
Class V
Pediatric Class I
Pediatric Class II
Biopsy
Frenectomy
Laser Removal of a
Fractured Crown
Root Canal Therapy
Torus Removal
Apicoectomy