

Section I: Caries prevention

- Introduction
- Prevention: fluoride & enamel regeneration
- Caries-penetrating resin therapy
- Identifying patients at risk of caries

Section II: Diagnosis

- Intraoral video cameras
- Near infrared transillumination
- Canary System

Section III: Treatment options and technique

- SoproLife® dental caries detection system
- Laser fluorescence caries diagnostic device: Diagnodent
- The Surgical microscope for diagnosis and treatment of caries
- Conventional diagnostic failures
- Microbiological aspects of caries treatment
- Air abrasion: background and cavity preparation
- Air abrasion: technique
- Erbium Lasers
- CO2 lasers (9300 nm)
- Dentin regeneration
- Ozone therapy
- Conventional treatment failures

Section IV: Future caries diagnosis and management

- Enamel regeneration
- Photobiomodulation