

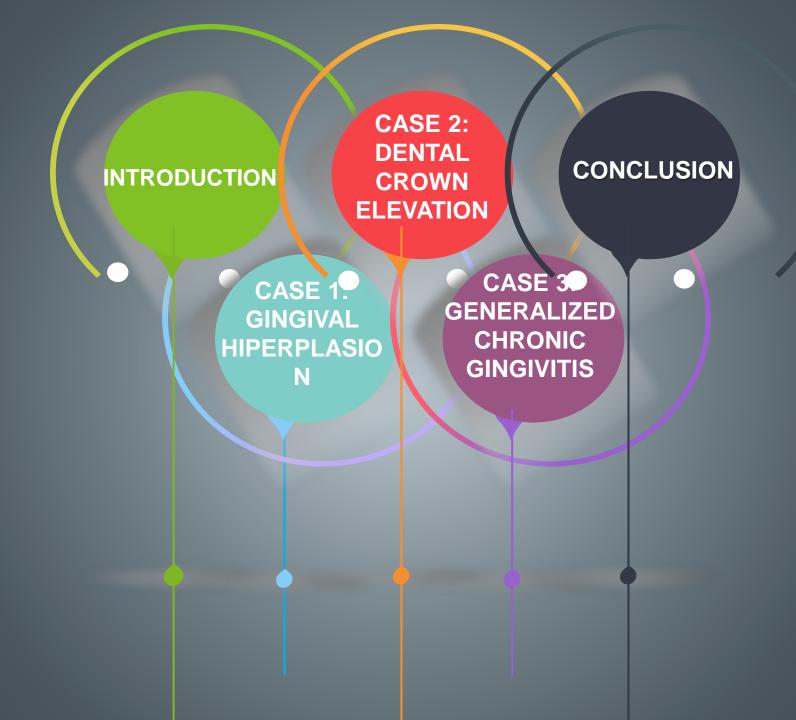


The use of soft tissue laser in everyday modern dental practise.

DIGITAL VS ANALOGICAL

Author: Stefan Ilievski Co-author: Spase Sulev

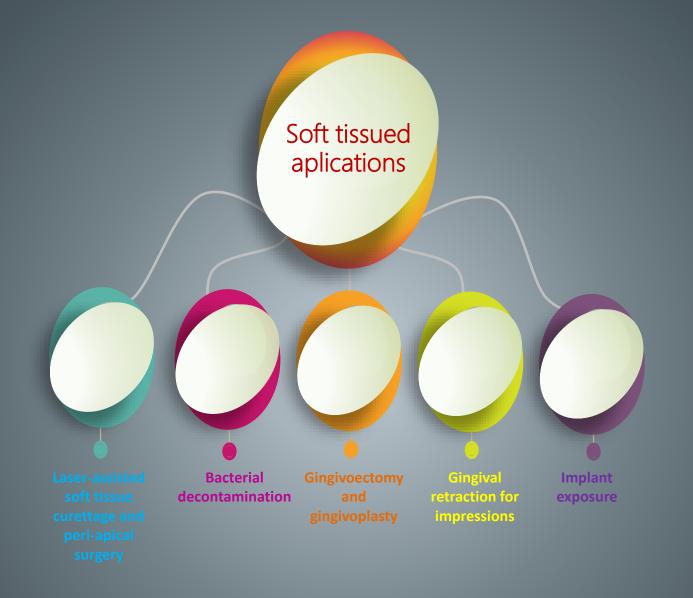
Mentor: Prof. D-r Kiro Papakoca Co-mentor: D-r Sonja Rogoleva



#### Introduction

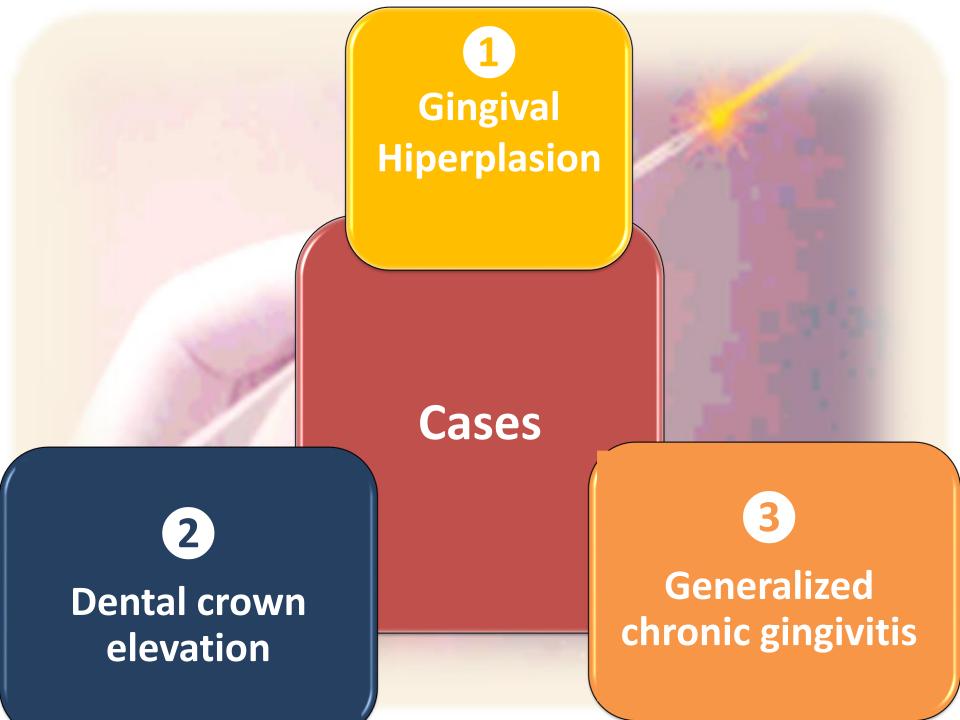
Introduction: Modern technology advances presented through high-tech appliances such as the laser, allows us to ideally perform a number of procedures, simply, quickly and with great success in the treatment itself. Dental diode soft tissue lasers allow classical surgery to be replaced by a more up-to-date solution.

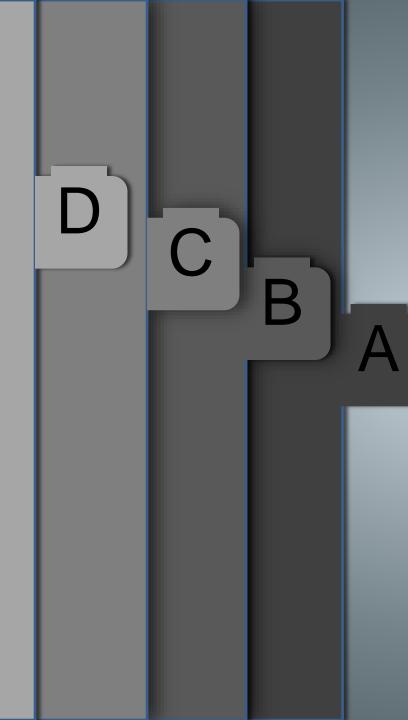




### DIGItal vs analogical

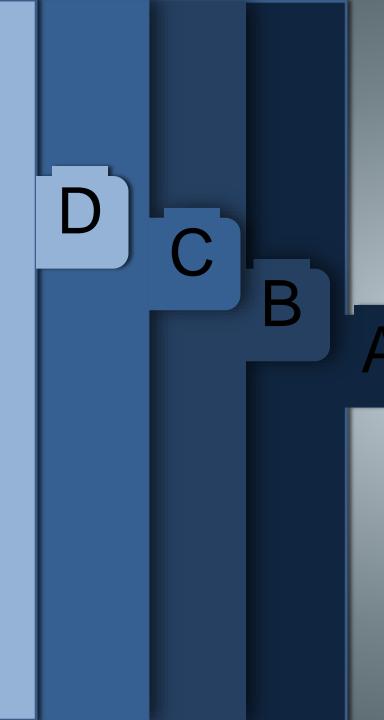
Subject	Laser Surgery	Traditional Surgery
Anesthesia	No or mild	Yes
Bleeding	No or minimal	Yes depends on operating zone
Pain	Slight irritation	Sedation depended
Time	Less time	Time consuming
Suturing	No need	Yes in invasive procedures
Cost	Expensive	Less expensive
Postoperative complications	Minimal	More





# Case 1: Gingival hyperplasion

- Patient (F): S.M.
- 35 years old
- Extracted second premolar (25)
- Used soft tissue laser
- Option Gingivoectomy
- Wave length: 810nm
- Power (cw): 5W
- Fiber type: 400μm



Case 2: Crown lenghthening

- Patient (F): N.P.
- 25 years old
- Gummy smile
- Used soft tissue laser
- Option Gingivoectomy
- Wave length: 810nm
- Power (cw): 4W

## Case 3: Generalized chronic gingivitis

- Patient (M): I.C.
- 25 years old
- Generalized chronic gingival imflammation
- Intensive bleeding
- Used soft tissue laser
- Option : Biostimulation
- Wave length: 810nm
- Power: 0.3W
- Fyber type: 400μm
- 15 treatments
- 35 days
- 20 seconds exposure

