



ZBORNİK
SAŽETAKA

2022
OKTOBAR
20-21

POKROVITELJ
KONGRESA:



Република Србија
МИНИСТАРСТВО ЗДРАВЉА

21. KONGRES STOMATOLOGA SRBIJE

STOMATOLOŠKA |
KOMORA |
SRBIJE |



www.kongresstomatologasrbijesks.rs

Miross
BTA/PCO/DMC/VEO

20. Kongres stomatologa Srbije

30. septembar – 3. oktobar 2021



SPONZORI



PMI SCIENCE
PHILIP MORRIS INTERNATIONAL



PHILIPS
sonicare



botelli.rs

Cranio DentX
imaging consulting

CURAPROX

elmex

HALÉON

MEDIPRO
INTERNATIONAL



QUINTESSENCE PUBLISHING
HRVATSKA

Roto Dent

TIM Co.
A FAMILY OF COMPANIES

ZDRAVLJE
LESKOVAC

ZLATARNA CELJE
1844



Laviefarm
Zdrav izbor

oralent d.o.o.

TEHNODENT



21. KONGRES STOMATOLOGA SRBIJE

20–21. oktobar 2022.

EP35	PREVENTIVE METHODS FOR OCCLUSAL SURFACE OF THE FIRST MOLAR Tanja Stefanoska, Efka Zabokova-Bilbilova, Slavica Najdenoska Bojchinoska, Natasha Stavreva, Danica Stojanovska, Vasilka Trendafilova Strezova, Julijana Stevanandjija.....	96
EP36	PREPARACIJA INSTRUMENTACIONE PUTANJE PRIMENOM RUČNIH I MAŠINSKIH INSTRUMENTATA Dr Miljan Stošić, Ass. Dr Milica Jovanović-Medojević.....	98
EP37	ORALNO ZDRAVLJE KOD DECE PREDŠKOLSKOG UZRASTA dr Tanja Stefanović, dr Branka Virijević, dr Sanja Radojević, Milena Stanišić Rašić	99
EP38	PRESENCE OF PERIODONTOGENIC PATHOGENS IN THE ORAL MUCOSAL LESIONS Uroš Tomić DDM, Đorđe Mihailović DDM, Sanja Petrović DDM PHD, Drago Jelovac MD DDM MSc PhD, Nađa Nikolić PhD, Ana Pucar DDS MSc PhD.....	100
EP39	OCCLUSION: UNDERSTANDING OR MISUNDERSTANDING Vesna Trpevska, Ivan Tanatarec, Daniela Srbinska, Aneta Mijoska, Olga Kokoceva-Ivanovska	102
EP40	THE TIME DURATION OF INSTRUMENTATION WITH PROTAPER UNIVERSAL NITI HAND SYSTEM, PROTAPER NEXT NITI ROTARY SYSTEM AND PROTAPER GOLD ROTARY SYSTEM Verica Toneva Stojmenova, Natasha Longurova, Ivona Kovacevska, Sonja Rogoleva Gjurovski, Julija Zarkova Atanasova.....	103



EP40 THE TIME DURATION OF INSTRUMENTATION WITH PROTAPER UNIVERSAL NITI HAND SYSTEM, PROTAPER NEXT NITI ROTARY SYSTEM AND PROTAPER GOLD ROTARY SYSTEM

Verica Toneva Stojmenova, Natasha Longurova, Ivona Kovacevska, Sonja Rogoleva Gjurovski, Julija Zarkova Atanasova

Dental Medicine, Faculty of Medical Science, University Goce Delcev Stip, Republic of North Macedonia

Introduction: ProTaper systems are the most used in endodontic instrumentations. They have rotary and hand systems that create adequate cone form of mechanically treated root canal.

Aim: The aim of this study was to calculate the incidence of time that we spent when we instrument the root canal of single rooted teeth with different systems.

Material and methods: This study was conducted in September, in University Goce Delcev Stip, R. N. Macedonia. Thirty human extracted tooth were selected and kept in distilled water. Inclusion and exclusion criteria were used. Specimens with straight roots, single root and single canal were included in this study. Tooth with fracture lines, open apices, anatomic irregularities, calcified canal or multiple canals were discarded. The working length of the canals was determined by inserting a size #10 K file in the root canal, until the tip of the file was visible at the apical foramen and then we bring back 1 mm from the measurement. Also, the glide path was performed with the same size of this hand instrument. Then specimens preparation was made. The crowns were removed 2 mm above the proximal cemento-enamel junction.

The irrigation was with 2% solution of sodium hypochlorite, chlorhexidine gluconate 3% and 17% of EDTA. We spent same time to irrigate the specimens. The specimens were randomly divided into 3 equal groups (n=10) and were subsequently prepared using hand or rotary system.

Group 1: (n=10) NiTi hand instruments: specimens instrumented with NiTi ProTaper Universal hand system

21. KONGRES STOMATOLOGA SRBIJE

20–21. oktobar 2022.



Group 2: (n=10) NiTi rotary instrument: specimens instrumented with NiTi ProTaper Next rotary system

Group 3: (n=10) NiTi rotary instruments: specimens instrumented with NiTi ProTaper Gold rotary system

Results: When we instrumented with the hand system we spent 18 minutes in average, when we instrumented with Pro Taper Gold rotary system we spent 14 minutes and with the Pro Taper Next system 9 minutes.

Discussion: About the time, we spent more time to instrument with Pro Taper Gold than Pro Taper Next NiTi rotary system. The longest time we spent was with NiTi ProTaper Universal hand system.

Conclusion: There was no significant difference found, when we compared the instrumentation between NiTi ProTaper Universal hand system, NiTi Pro Taper Next rotary system group and NiTi ProTaper Gold rotary system group. We think that the time duration is related to number of instruments from the system that we use during instrumentation. For example, the system of ProTaper Gold has 6 different sizes of instrument in compare to system of ProTaper Next that has 3 sizes. Also, we spent more time for calibration on every instrument (on the endomotor) of the system. So, the time duration for instrumentation with ProTaper Gold is longer than ProTaper Next. There is a need for further research to complete the whole image for this problem.

Conflict of interest: None