TWO DIFFERENT CASES OF UNUSUAL ROOT CANAL ANATOMY: TWO ROOTED MAXILLARY MOLAR AND THREE ROOTED MAXILLARY PREMOLAR
Şahin Erinc BASA1, Ayse Diljin KECECI1
1SDÜ, SCHOOL OF DENTISTRY, DEPARTMENT OF ENDODONTICS, ISPARTA
To present rarely seen (unusual) anatomies of root canals.
The incidence of three canal maxillary premolar teeth was reported 1.33% in Turkish population. Upper right first premolar with three canals of a 19 years old male patient was detected by periapical radiography. Root canal treatment was indicated due to irreversible pulpitis. The two rooted maxillary molar is rarely reported. A total of 0.4% of first maxillary molars and 2.2% of second maxillary molars have been reported to have this variation. 45 years old female patient suffered from percussion and spontaneous pain applied to our clinic. Periapical radiograph showed that the tooth was two rooted and previously undergone endodontic treat. Current root canal fillings was removed with Protaper Universal retreatment files. CBCT images confirmed the root canal numbers.
Two teeth with unusual root canal anatomies were treated succesfully.
With analysis of literature, it was seen that all the cases were rarely reported. The several anatomic variations that might exist in the root canal system has been a complex and extremely important issue regarding the planning and execution of endodontic therapy.