Dr. Brian Hornberger presents
Case of the Month
March 2015

Two canaled mandibular Pre-Molar

This 46 year old male patient presented with acute pain radiating from tooth #28. He reported a history of endodontic treatment on #28 several years prior. Exam and testing rendered a diagnosis for #28 as Previous RCT/ AECAP. Pre-operative images suggested the previous root canal filling was off-center, leading me to suspect a second canal system. In office Cone Beam Technology (CBCT) allowed for additional diagnostic and treatment information. In CBCT Image #1, note the unfilled Lingual canal space in sagittal view. In CBCT Image #2, note the unfilled Lingual canal in the cross-sectional view of the mid-root. Based on this information, I recommended endodontic re-treatment of #28. Upon removal of the existing post, a second root canal system was located in the lingual direction. The previously treated buccal canal was re-treated as well. Careful instrumentation with warm, thermoplastic obturation was completed in one visit. Prognosis is expected to be good.