Abstract: patient was the man with 60 years old, 1 month before the upper left first molar had endodontic therapy and endodontic treatment was good. After removal of temporary restoration, the pulp chamber floor was a line of fracture. Fracture involved furcation mesiodistally. Tooth can be divided into two halves. Without any moving parts and there were in the correct location. But with a probe could be wedge. Tooth was sensitive to percussion but there were no signs of periodontal pockets. These conditions was diagnosed as complex root fracture or split tooth fracture. Treatment process by endodontic clamp as a splint, splinting the coronal parts with self etch adhesive and composite resin was introduced. All cusps reduced 2mm. P and DB channels prepared to 4mm of apical for brass posts. The posts were cemented with Panavia resin cement. Tooth restored directly with the bonding system (clearfill SE Bond) and composite resin. Finally, the clamp was removed. Teeth were evaluated after 6 months, significantly reduced sensitivity to percussion and the patient was able to function. Periodontal attachment was healthy and periodontal pocket was not seen. Assessment showed any radiographic signs of bone loss in the furcation area or areas between the teeth.

Presentation: Poster