**Case Report:** Treatment of atrophic mandibular fracture related to implant placement in an oral bisphosphonate user. A case report

**Figure captions**

**Fig 1** Preoperative tomographic exam **A** A fracture line was observed on the right side of the body of the mandible where the dental implant had been previously placed **B** Preoperative intra-oral clinical aspect. We only noted three dental implants. The fourth implant was removed, along with the implant-supported prosthesis that had been placed previously **C** Planning of the extra-oral access **D** Extra-oral incision performed **E** Detachment of the periosteum and exposure of bone fragments **F** Fixation of bone fragments using a 2.0 titanium plate with a locking system **G** Completion of the surgical procedure. A penrose drain was inserted after the surgery and was removed on the third postoperative day **H** Panoramic radiograph three months after surgery. The titanium plate fixed the bone fragments appropriately

**Fig 2** Implant supported prosthesis nine months after the surgery **A** Overdenture bar installed **B** Superior and inferior aspect of the prosthesis **C** Implant supported prosthesis in function **D** Extra-oral incision appearance after one year of the surgery