

<b>Case Number:</b>	CM15-0057003		
<b>Date Assigned:</b>	04/01/2015	<b>Date of Injury:</b>	10/12/1999
<b>Decision Date:</b>	05/07/2015	<b>UR Denial Date:</b>	02/25/2015
<b>Priority:</b>	Standard	<b>Application Received:</b>	03/25/2015

### HOW THE IMR FINAL DETERMINATION WAS MADE

MAXIMUS Federal Services sent the complete case file to an expert reviewer. He/she has no affiliation with the employer, employee, providers or the claims administrator. He/she has been in active clinical practice for more than five years and is currently working at least 24 hours a week in active practice. The expert reviewer was selected based on his/her clinical experience, education, background, and expertise in the same or similar specialties that evaluate and/or treat the medical condition and disputed items/Service. He/she is familiar with governing laws and regulations, including the strength of evidence hierarchy that applies to Independent Medical Review determinations.

The Expert Reviewer has the following credentials:

State(s) of Licensure: California

Certification(s)/Specialty: Dentist

### CLINICAL CASE SUMMARY

The expert reviewer developed the following clinical case summary based on a review of the case file, including all medical records:

The injured worker is a 60 year old male, who sustained an industrial injury on October 12, 1999. The injured worker reported tooth and jaw pain. The injured worker was diagnosed as having dry mouth, tooth fracture #15 and #29, myofascial pain and temporomandibular joint disorder. Treatment and diagnostic studies to date have included multiple root canals. A progress note dated February 13, 2015 provides the injured worker complains of jaw pain, grinding, dry mouth and tooth pain. Physical exam notes signs of grinding and clenching with jaw pain on palpation. The plan includes tooth extraction with replacement and mandibular repositioning device.

### IMR ISSUES, DECISIONS AND RATIONALES

The Final Determination was based on decisions for the disputed items/services set forth below:

**Extract #29 bone graft, membrane, implant, implant abutment and crown:** Overturned

**Claims Administrator guideline:** The Claims Administrator did not base their decision on the MTUS. Decision based on Non-MTUS Citation Official Disability Guidelines Treatment in Workers Compensation - Dental Trauma Treatment.

**MAXIMUS guideline:** The Expert Reviewer did not base their decision on the MTUS. Decision based on Non-MTUS Citation ODG Head (updated 06/04/13) Dental trauma treatment (facial fractures).

**Decision rationale:** Records reviewed indicate that Tooth #29 is severely painful to percussion and to lifting of pressure indicating a fracture in the tooth. Provider recommends Extraction, bone graft, membrane, implant, implant abutment and crown. Per reference mentioned above, "Rather than resting on the gum line like removable dentures, or using adjacent teeth as anchors like fixed bridges, dental implants are long-term replacements. The goal of replacing missing teeth while respecting otherwise untouched tooth structure and the avoidance of crown reduction in bridge preparation make the use of dental implants an option for restoring traumatic tooth loss." (ODG) Also, in reference mentioned above, "Ridge preservation techniques are effective in minimizing post-extraction alveolar ridge contraction" (Kassim B, 2014) and "In cases where there has been extensive alveolar bone loss following extraction, it may be necessary to provide bone augmentation prior to implant placement." (Burgess) Therefore this reviewer finds this request for Extract #29 bone graft, membrane, implant, implant abutment and crown to be medically necessary to properly repair this patient's tooth #29.

**Extract #15 bone graft, membrane, implant, implant abutment and crown:** Overturned

**Claims Administrator guideline:** The Claims Administrator did not base their decision on the MTUS. Decision based on Non-MTUS Citation Official Disability Guidelines Treatment in Workers Compensation - Dental Trauma Treatment.

**MAXIMUS guideline:** The Expert Reviewer did not base their decision on the MTUS. Decision based on Non-MTUS Citation ODG Head(updated 06/04/13) Dental trauma treatment (facial fractures).

**Decision rationale:** Records reviewed indicate that Tooth #15 is severely painful to percussion and to lifting of pressure indicating a fracture in the tooth. Provider recommends Extraction, bone graft, membrane, implant, implant abutment and crown. Per reference mentioned above, "Rather than resting on the gum line like removable dentures, or using adjacent teeth as anchors like fixed bridges, dental implants are long-term replacements. The goal of replacing missing teeth while respecting otherwise untouched tooth structure and the avoidance of crown reduction in bridge preparation make the use of dental implants an option for restoring traumatic tooth loss." (ODG). Also, in reference mentioned above, "Ridge preservation techniques are effective in minimizing post-extraction alveolar ridge contraction" (Kassim B, 2014) and " In cases where there has been extensive alveolar bone loss following extraction, it may be necessary to provide bone augmentation prior to implant placement." (Burgess) Therefore this reviewer finds this request for Extract #29 bone graft, membrane, implant, implant abutment and crown to be medically necessary to properly repair this patient's tooth #15.



