



Current Awareness Bulletin: Oral and Maxillofacial Surgery

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This current awareness bulletin includes recently published literature related to the discipline of Oral and Maxillofacial Surgery (OFMS).

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Oral Surgery

Third molars

- 1) Barone, S. et al. (2025) '[Evaluation of the usefulness of platelet-rich fibrin \(PRF\) in mandibular third molar surgery with 3D facial swelling analysis: a split-mouth randomized clinical trial](#)', Head & face medicine, 21(1).
- 2) Budihardja, A.S. and Lutfianto, B. (2025) '[Delayed minimally invasive treatment of an infected mandibular angle fracture after wisdom tooth removal: A case report with 2 years follow up](#)', International journal of surgery case reports, 129.
- 3) Dudak, M.E., Calis, A. and Koca, H. (2025) '[Effectiveness of concentrated growth factor on improving postoperative comfort in patients undergoing coronectomy for impacted lower third molars: A double-blinded split-mouth randomized controlled clinical study](#)', Journal of oral and maxillofacial surgery (online ahead of print).
- 4) Karthikeyan, T. et al. (2025) '[Does Peripheral Nerve Stimulator-Guided Extraoral Mandibular Nerve Block Provide Effective Anaesthesia for Third Molar Surgery: A Prospective Interventional Study](#)', Journal of maxillofacial and oral surgery, 24(1).
- 5) Murakami, K. et al. (2025) '[Perioperative changes in anxiety and comfort in third molar extraction patients sedated with midazolam](#)', Oral and maxillofacial surgery, 29(1).
- 6) Pereira, D.A. et al. (2025) '[Photobiomodulation With Infrared and Dual-Wavelength Laser Induces Similar Repair and Control of Inflammation After Third Molar Extraction: A Double-Blinded Split-Mouth Randomized Controlled Trial](#)', Journal of oral and maxillofacial surgery, 83(3).
- 7) Tay, W.Z. et al. (2025) '[Radiographic Predictors of Postoperative Inferior Alveolar Nerve Injury in Mandibular Third Molar Surgery](#)', Journal of oral and maxillofacial surgery, 83(1).
- 8) van Bodegraven, A. et al. (2025) '[Coronectomy of mandibular third molars with dental pathology: a prospective cohort study of 121 molars](#)', Oral and maxillofacial surgery, 29(1).

- 9) Wemyss, C., Bell, G.W. and McFadyen, A.K. (2025) '[Patient preference for the management of mandibular third molars with mesio-angular and horizontal impactions](#)', British dental journal (online ahead of print).
- 10) Yang, H., Yu, J. and Wu, D. (2025) '[Platelet-rich fibrin application after mandibular third molar extraction: an umbrella review](#)', Clinical oral investigations, 29(1).
- 11) Yang, X. et al. (2025) '[Effectiveness of root canal therapy in auto-transplanted third molars: a systematic review, meta-analysis and case series report](#)', Clinical oral investigations, 29(4).
- 12) Yasin, E.T. et al. (2025) '[Automatic mandibular third molar and mandibular canal relationship determination based on deep learning models for preoperative risk reduction](#)', Clinical oral investigations, 29(4).

Other

- 1) Agbulut, N. (2025) '[Assessing nerve injuries in oral surgery: a survey-based study on prevention and management](#)', Medicina oral, patología oral y cirugía bucal (online head of print).
- 2) Akyüz, İ.E. et al. (2025) '[Evaluation of the effect of different irrigation solutions used in regenerative endodontic treatment of necrotic molar teeth with open apex on postoperative pain- randomized clinical trial](#)', Clinical oral investigations, 29(1).
- 3) Becker, P. et al. (2025) '[Microvascular reconstruction in oral and maxillofacial surgery: a Europe-wide data collection](#)', Oral and maxillofacial surgery, 29(1).
- 4) Burcea, A. et al. (2025) '[One-Stage Surgical Management of an Asymptomatic Maxillary Sinus Mucocele with Immediate Lateral Sinus Lift and Simultaneous Implant Placement: A Case Report](#)', Journal of clinical medicine, 14(6).
- 5) Grzybowski, G. et al. (2025) '[Intraoperative Real-Time Image-Guided Fibular Harvest and Mandibular Reconstruction: A Feasibility Study on Cadaveric Specimens](#)', Head & neck, 47(2).
- 6) Jacob, O. et al. (2025) '[Surgical performance anxiety among UK oral and maxillofacial surgeons](#)', British journal of oral & maxillofacial surgery, 63(2).
- 7) Krarup, H. et al. (2025) '[Long-term follow-up of corrective jaw surgery including distraction osteogenesis in 32 patients with juvenile idiopathic arthritis](#)', International journal of oral and maxillofacial surgery, 54(2).

- 8) Makrygiannis, I.H. et al. (2025) '[Coated sutures for use in oral surgery: a comprehensive review](#)', Clinical oral investigations, 29(2).
- 9) Nakamura, T. et al. (2025) '[Is Postoperative Nausea and Vomiting Associated With Increased Postoperative Pain in Patients Undergoing Minor Oral and Maxillofacial Surgery Under General Anesthesia?](#)', Journal of oral and maxillofacial surgery, 83(3).
- 10) Odabaşı, O. and Polat, M.E. (2025) '[Is A Surgeon's Self-Perceived Level of Anxiety Associated With the Type of Surgical Procedure Being Performed?](#)', Journal of oral and maxillofacial surgery (online ahead of print).
- 11) Santagata, M. et al. (2025) '[Surgically assisted rapid maxillary expansion: current concepts of minimally invasive approaches](#)', International journal of oral and maxillofacial surgery, 54(1).
- 12) Silva, K. de M. et al. (2025) '[Evaluation of two stable internal fixation techniques in mandibular ramus sagittal osteotomy: a three-dimensional finite element study](#)', Oral and maxillofacial surgery, 29(1).
- 13) Timoshchuk, M.-A., Chapple, A.G. and Christensen, B.J. (2025) '[Do Postoperative Surgeon Phone Calls Improve Outcomes Following Mandibular Fracture Repair?](#)', Journal of oral and maxillofacial surgery, 83(1).
- 14) Wang, F. et al. (2025) '[Application of dynamic navigation technology in oral and maxillofacial surgery](#)', Clinical oral investigations, 29(1).
- 15) Winnand, P. et al. (2025) '[A cadaveric study of induced isolated orbital floor fractures and implications for surgical decision-making: comparison of two preoperative imaging modalities](#)', International journal of oral and maxillofacial surgery, 54(3).
- 16) Yefet, E., Givol, N. and Pesis, M. (2025) '[Direct oral anticoagulant use in oral surgery: insights from a systematic review](#)', Oral and maxillofacial surgery, 29(1).

Head and Neck Cancer, Cutaneous Malignancy and Benign Tumours

- 1) Bera, R.N. and Tiwari, P. (2025) '[Factors related to risk of recurrence and recurrence free survival in ameloblastoma of the Jaws: A single centre retrospective analysis](#)', Oral and maxillofacial surgery, 29(1).
- 2) Boffano, P. et al. (2025) '[Clinical patterns and outcomes of patients affected by primary malignant melanoma of the oral mucosa: A European multicenter retrospective chart review](#)', Journal of cranio-maxillo-facial surgery (online ahead of print).
- 3) Boos-Lima, F.B.D.J. et al. (2025) '[Mandibular hybrid odontogenic tumor](#)', Oral and maxillofacial surgery, 29(1).
- 4) Chiba, T. et al. (2025) '[Prospects for Narrow Band Imaging Magnification Endoscopy in Oral Lesions: Recommendations from Oral and Maxillofacial Surgeons and a Gastroenterologist](#)', Cancers, 17(1).
- 5) Elkoumi, A. et al. (2025) '[Survival benefit of cancer-directed surgery and the role of adjuvant therapy in malignant major salivary gland cancers: a propensity score matched retrospective analysis](#)', Oral and maxillofacial surgery, 29(1).
- 6) Frenkel, C.H. et al. (2025) '[The impact of an enhanced recovery after surgery protocol for major head and neck oncologic surgery on postoperative complications and adjuvant treatment delivery](#)', Head & neck, 47(1).
- 7) Jain, P.V. et al. (2025) '[Prognostic triad: a novel method for decision-making for adjuvant treatment in stage I–II oral squamous cell carcinoma](#)', International journal of oral and maxillofacial surgery, 54(1).
- 8) Kotani, T. et al. (2025) '[Effects of age on postoperative oral function in older adults with oral squamous cell carcinoma and its cutoff values: a cross-sectional study](#)', Scientific reports, 15(1).
- 9) Leite-Lima, F. et al. (2025) '[Surgical management of conventional ameloblastoma: a retrospective cohort study over the past 21 years](#)', Oral and maxillofacial surgery, 29(1).

- 10) Mishra, A. et al. (2025) '[A Comparative Study of Speech and Swallowing Postoperative Outcomes in Oral Cancer: Impact of Lateral Mandibular Continuity Restoration](#)', Journal of oral and maxillofacial surgery, 83(3).
- 11) Shanthakunalan, K. et al. (2025) '[Palliative care management of head and neck cancer patients amongst oral and maxillofacial surgeons: A novel national survey assessing knowledge, decision making, perceived confidence, and training in the UK](#)', British journal of oral & maxillofacial surgery, 63(2).
- 12) Syziu, A. and Schache, A. (2025) '[The prognostic value of pre-treatment sarcopenia in overall survival in head and neck cancer patients: a systematic review](#)', International journal of oral and maxillofacial surgery, 54(1).
- 13) Weyh, A.M. et al. (2025) '[Functional outcomes and survival after total glossectomy with laryngectomy: a systematic review](#)', International journal of oral and maxillofacial surgery, 54(2).

Medication-related Osteonecrosis of the Jaw (MRONJ)

- 1) Belch, N. et al. (2025) '[Analysis of potential risk factors for the development of medication-related osteonecrosis of the jaw](#)', Dental & medical problems (online ahead of print).
- 2) Kubo, M. et al. (2025) '[A novel intraoperative infection detecting liquid for medication-related osteonecrosis of the jaw](#)', Journal of cranio-maxillo-facial surgery (online ahead of print).
- 3) Myoken, Y. et al. (2025) '[The efficacy of different local flaps for wound closure of defects after removal of necrotic bone in advanced medication-related osteonecrosis of the jaw: A single-center cohort study](#)', Journal of cranio-maxillo-facial surgery (online ahead of print).
- 4) Park, J. et al. (2025) '[Utility of quantitative standardized uptake value from pre-operative bone SPECT/CT for predicting post-surgical MRONJ healing response](#)', EJNMMI research, 15(1).
- 5) Sano, M. et al. (2025) '[Medication-related osteonecrosis of the jaw in patients with cancer using zoledronic acid and denosumab: Single-center retrospective study](#)', Journal of oncology pharmacy practice (online ahead of print).

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- 7) Tanabe, T. et al. (2025) '[Medication-Related Osteonecrosis Successfully Treated With Hyperbaric Oxygen Therapy and Conservative Treatment: A Case Report](#)', Curēus (Palo Alto, CA), 17(2).
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- 9) Wei, L. et al. (2025) '[Risk Factors Influencing Medication-Related Osteonecrosis of the Jaws \(MRONJ\) Following Dental Extraction Among Osteoporotic Patients in Taiwan](#)', Head & neck, 47(4).
- 10) Wei, L.Y. et al. (2025) '[Prognostic indicators in medication-related osteonecrosis of the jaw: A systematic review and meta-analysis](#)', Osteoporosis international (online ahead of print).
- 11) Woo, E.C.H. et al. (2024) '[Evaluating the efficacy of surgical and non-surgical treatment modalities in the management of medication-related osteonecrosis of the jaw: A retrospective study](#)', Oral surgery, oral medicine, oral pathology and oral radiology (online ahead of print).

OMFS Trauma

- 1) Becker, P. et al. (2025) '[Facial trauma management: A nationwide data collection on practice patterns and patient care in oral and maxillofacial surgery in Germany](#)', Journal of cranio-maxillofacial surgery (online ahead of print).
- 2) Helmer, L.M.L. et al. (2025) '[When trauma bites back: a systematic review on direct orofacial macrotrauma and temporomandibular disorders](#)', Clinical oral investigations, 29(1).
- 3) Lahtinen, A. et al. (2025) '[Assign a systematic traumatological status in orbital fracture patients - A prospective cohort study](#)', Journal of cranio-maxillo-facial surgery (online ahead of print).

- 4) Van der Cruyssen, F. et al. (2025) '[A Systematic Review and Meta-Analysis of Fracture-Related Infections in Maxillofacial Trauma: Incidence, Risk Factors, and Management Strategies](#)', Journal of clinical medicine, 14(4).

General / Miscellaneous

- 1) Dang, R.R. et al. (2025) '[The current landscape of artificial intelligence in oral and maxillofacial surgery– a narrative review](#)', Oral and maxillofacial surgery, 29(1).
- 2) Jaibaji, R. et al. (2025) '[Exposure to and awareness of oral and maxillofacial surgery for first degree dental undergraduates in the United Kingdom](#)', British journal of oral & maxillofacial surgery, 63(1).
- 3) Magennis, C. et al. (2025) '[Gender changes in oral and maxillofacial surgery \(OMFS\) in the UK 1996 to 2030. Current trends suggest gender parity of those joining the OMFS specialist list may be achieved by 2048](#)', British journal of oral & maxillofacial surgery, 63(2).
- 4) Magennis, C. et al. (2025) '[Oral and maxillofacial surgery \(OMFS\) “controlled” second-degree places in the UK – there are sufficient numbers \(with high application ratios\) to meet current and future OMFS recruitment needs in the UK](#)', British journal of oral & maxillofacial surgery, 63(2).
- 5) Sillmann, Y.M. et al. (2025) '[Empowering surgeons: will artificial intelligence change oral and maxillofacial surgery?](#)', International journal of oral and maxillofacial surgery, 54(2).

Additional Resources and Support

Evidence Summaries

[Evidence summaries](#) are point of care decision support tools that make it easier to get evidence into practice. They summarise high-quality evidence on different conditions, including practical advice around diagnosis and treatment options, into concise reference entries to help you find answers to clinical questions easily. There are several evidence summary tools available via The Knowledge Network as part of our national library subscriptions. You may be particularly interested in

searching [BMJ Best Practice](#) or [DynaMed](#) for up-to-date information on conditions of interest.

Medicines Information

There are also several Medicines Information resources available via The Knowledge Network, including the BNF.

You may be interested in [accessing these resources](#) for up-to-date evidence and advice around the safe, efficient and effective use of medicines.

Literature Searching and Training

If you would like to request a literature search around a particular research topic or clinical question, or if you'd like to arrange training/support with using The Knowledge Network, specific resources, or with literature searching, then please [contact your local library service](#) who will be happy to advise further.

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