



# Current Awareness Bulletin: Oral and Maxillofacial Surgery

Issue 01 January 2025

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

It is produced on a quarterly basis by the NHS Forth Valley Library Service. If you would like to contact us with feedback, comments, or questions then please email [fv.forthvalleylibraryservices@nhs.scot](mailto:fv.forthvalleylibraryservices@nhs.scot).

You can use the links within each reference to view the article on our [national catalogue, Library Search](#). From there, you can review the abstract, access the full-text where available, or place requests for articles that are outside of our current subscriptions. You can also visit the national digital library for NHS Scotland, [The Knowledge Network](#), to access a wealth of other [library subscription resources](#). If you require any support, please [get in touch with your local NHSS library service](#).

Finally, don't forget to check out the [full range of current awareness bulletins](#) available via The Knowledge Network!

## Contents

Oral Surgery .....	3
Third molars.....	3
Other.....	5
Head and Neck Cancer, Cutaneous Malignancy, and Benign Tumours .....	6
Medication-related Osteonecrosis of the Jaw (MRONJ).....	7
OMFS Trauma.....	8
General / Miscellaneous.....	8
Additional Resources and Support.....	9
Evidence Summaries.....	9
Medicines Information.....	9
Literature Searching and Training.....	9
Disclaimer .....	9
End of Document .....	10

# Oral Surgery

## Third molars

- 1) Baensch, F. *et al.* (2024) '[Prevalence and predictive parameters of external root resorption caused by retained wisdom teeth](#)', *Clinical oral investigations*, 28(11).
- 2) Barone, S. *et al.* (2024) '[Automated pipeline for linear and volumetric assessment of facial swelling after third molar surgery](#)', *BMC oral health*, 24(1).
- 3) Britt, M.C., Sepe, E.A. and Green, M.A. (2024) '[Third Molar Extractions in Patients With Developmental Disabilities](#)', *Journal of oral and maxillofacial surgery*, 82(12).
- 4) Cantore, S. *et al.* (2024) '[Enhancing Lower Third Molar Surgery: Using The Piezoelectric Technique for Superior Postoperative Outcomes and Complication Prevention](#)', *Dentistry journal*, 12(11).
- 5) Dudde, F. *et al.* (2024) '[Impacted third molar surgery in older patients—Is patient's age really a risk factor for complications?](#)', *Clinical oral investigations*, 28(11).
- 6) Fangfang, X. *et al.* (2024) '[A prospective randomized study on the efficacy of real-time dynamic navigation in deep horizontal mandibular third molar extractions](#)', *BMC oral health*, 24(1).
- 7) Glodha, N. *et al.* (2024) '[Comparative Evaluation of Surgical Difficulty of Impacted Maxillary and Mandibular Third Molars: An Observational Study](#)', *Curēus*, 16(10).
- 8) Hanif, M. and Sheikh, M.A. (2021) '[Efficacy of platelet rich plasma \(PRP\) on mouth opening and pain after surgical extraction of mandibular third molars](#)', *Journal of oral medicine and oral surgery*, 27(1).
- 9) Hung, K.F. *et al.* (2024) '[Comparing standard- and low-dose CBCT in diagnosis and treatment decisions for impacted mandibular third molars: a non-inferiority randomised clinical study](#)', *Clinical oral investigations*, 28(12).
- 10) Husni Mubarak *et al.* (2024) '[Impacted mandibular third molars: a comparison of orthopantomography and cone-beam computed tomography imaging in predicting surgical difficulty](#)', *Archives of craniofacial surgery*, 25(5).

- 11) Kim, J.-Y. *et al.* (2024) '[Are There Differences in the Causes and Complications of Mandibular Third Molar Extraction in Older Patients Compared to Younger Patients?](#)', *Journal of oral and maxillofacial surgery*, 82(11).
- 12) Li, X. *et al.* (2024) '[The effect of esketamine combined with sufentanil based patient-controlled intravenous analgesia for postoperative pain in patients undergoing third molar surgery and maxillofacial trauma: a randomized clinical trial](#)', *BMC oral health*, 24(1).
- 13) Naik, V.G. *et al.* (2024) '[Submucosal Infiltration versus Intravenous Administration of Dexamethasone in Decreasing Post-operative Inflammatory Sequelae after Third Molar Surgery - A Comparative Study](#)', *Annals of maxillofacial surgery*, 14(2).
- 14) Sen, A., Dhupar, V. and Akkara, F. (2024) '[Analysing inflammatory responses after mandibular third molar extraction: a comparison of suture-less and multiple suture techniques](#)', *Oral and maxillofacial surgery*, 28(4).
- 15) Suleiman, I.K., James, O. and Olasoji, H.O. (2024) '[Comparison of the effect of dexamethasone, ketoprofen and cold compress on postoperative quality of life following impacted lower third molar surgery: a randomized clinical trial](#)', *Oral and maxillofacial surgery*, 28(4).
- 16) Wang, Y. *et al.* (2024) '[Comparison of reconstruction plates and miniplates in mandibular defect reconstruction with free iliac flap](#)', *Clinical oral investigations*, 28(11).
- 17) Yang, M. *et al.* (2024) '[Effect of a Thermosensitive Hydroxybutyl Chitosan Hydrogel on Postoperative Sequelae and Quality of Life After Impacted Mandibular Third Molar Extraction](#)', *Journal of oral and maxillofacial surgery*, 82(10).
- 18) Zwitter, K. *et al.* (2024) '[Effectiveness of platelet-rich fibrin in third molar extractions: a randomized controlled split-mouth study](#)', *Clinical oral investigations*, 28(11).

## Other

- 1) Amin, D. *et al.* (2024) '[Does a Point-of-Care 3-Dimensional Printer Result in a Decreased Length of Surgery for Orbital Fractures?](#)', *Journal of oral and maxillofacial surgery*, 82(10).
- 2) Gonçalves, T.O. de F. *et al.* (2024) '[Management and recurrence of the odontogenic keratocyst: an overview of systematic reviews](#)', *Oral and maxillofacial surgery*, 28(4).
- 3) Gorla, L.F. de O. *et al.* (2024) '[Guided versus non-guided chin repositioning: a retrospective study on accuracy](#)', *British journal of oral & maxillofacial surgery*, 62(8).
- 4) Hernández-Alfaro, F. *et al.* (2024) "["Puzzle" cutting guides for minimally invasive Le Fort I: technical note](#)", *International journal of oral and maxillofacial surgery*, 53(12).
- 5) Holte, M.B. *et al.* (2024) '[Stability of proximal mandibular anatomical structures following bilateral sagittal split osteotomy](#)', *International journal of oral and maxillofacial surgery*, 53(11).
- 6) Humne, A. *et al.* (2024) '[Efficacy and Functional Outcomes of Platysma Myocutaneous Flap in Oral and Maxillofacial Reconstruction](#)', *Curēus*, 16(9).
- 7) Jacobs, T., Mohammed, S. and Ziccardi, V. (2024) '[Evaluating Lingual Nerve Repair Outcomes: A Systematic Review](#)', *Journal of oral and maxillofacial surgery*, 82(10).
- 8) Kocaturk, S., Gur, Z.B. and Gursoytrak, B. (2024) '[Can Verbal Interview Decrease Preoperative Anxiety and Postoperative Discomfort in Oral and Maxillofacial Surgery Patients?: A Randomized Clinical Trial](#)', *Journal of oral and maxillofacial surgery*, 82(11).
- 9) Lee, J. *et al.* (2024) '[Predicting optimal patient-specific postoperative facial landmarks for patients with craniomaxillofacial deformities](#)', *International journal of oral and maxillofacial surgery*, 53(11).
- 10) Li, B. *et al.* (2024) '[A novel portable augmented reality surgical navigation system for maxillofacial surgery: technique and accuracy study](#)', *International journal of oral and maxillofacial surgery*, 53(11).

- 11) Mortada, H. et al. (2024) '[Does tranexamic acid really matter in reducing blood loss? A critical evaluation of its efficacy in orthognathic surgery through a comprehensive systematic review and meta-analysis](#)', *British journal of oral & maxillofacial surgery*, 62(9).
- 12) Parente, E.V. et al. (2024) '[Minimally invasive sagittal osteotomy—technical note](#)', *International journal of oral and maxillofacial surgery*, 53(12).
- 13) Pekkari, C. (2024) '[Cost analysis of orthognathic surgery: outpatient care versus inpatient care](#)', *International Journal of Oral and Maxillofacial Surgery*, 53(1).
- 14) Wilson, E.A. et al. (2024) '[Risk prediction of complicated course in patients undergoing major head and neck surgery with free flap reconstruction](#)', *British journal of oral & maxillofacial surgery*, 62(9).

## Head and Neck Cancer, Cutaneous Malignancy, and Benign Tumours

- 1) Andrade, N. et al. (2024) '[Desmoplastic fibroma of the mandible in a 5-year-old child as an early oral manifestation of familial adenomatous polyposis](#)', *International journal of oral and maxillofacial surgery*, 53(12).
- 2) Callander, J.K. et al. (2024) '[Prognostic risk factors of buccal squamous cell carcinoma: A case–control study](#)', *Head & neck*, 46(10).
- 3) Hanif, M. et al. (2024) '[Designing Entrustable Professional Activities for Treatment Planning of Oral Cancer by Maxillofacial Surgery Residents: A Modified Delphi Study](#)', *International journal of dentistry*, 2024(1).
- 4) Hong, J. et al. (2024) '[Prognostic factors and impact of bone invasion in T1/2 size \(<4 cm\) gingival squamous cell carcinoma](#)', *International journal of oral and maxillofacial surgery*, 53(11).
- 5) Luo, W. et al. (2024) '[The “D–M–C” strategy for conventional ameloblastoma of the mandible: a retrospective study](#)', *International journal of oral and maxillofacial surgery*, 53(10).

- 6) Muñoz Couselo, E. *et al.* (2024) '[Recommendations for the management of cutaneous squamous cell carcinoma: a systematic multidisciplinary Delphi consensus approach](#)', *Clinical & translational oncology*, Online ahead of print.
- 7) Pakfetrat, A. *et al.* (2024) '[Tumor Metastasis to the Oral Soft Tissues and Jaw Bones: A Retrospective Study and Review of the Literature](#)', *Clinical and experimental dental research*, 10(6).
- 8) Puranapanda, M.S.R. *et al.* (2024) '[Vital Staining Role in Resection and Reconstruction of Tongue Cancers with Free Flap - A Comparative Study](#)', *Annals of maxillofacial surgery*, 14(2).
- 9) Römer, P. *et al.* (2024) '[Prevention of perioperative venous thromboembolic complications using pneumatic compression cuffs in oral cancer patients in maxillofacial surgery](#)', *Clinical oral investigations*, 28(11).
- 10) Wang, W.-Q. *et al.* (2024) '[The Application of the NOSES System to Treat Cheek Squamous Cell Carcinoma](#)', *The Journal of craniofacial surgery*, Online ahead of print.
- 11) Wu, Y. *et al.* (2024) '[Multiple maxillofacial desmoid tumours: a case report](#)', *International journal of oral and maxillofacial surgery*, 53(12).

## Medication-related Osteonecrosis of the Jaw (MRONJ)

- 1) Aslam, R.D. *et al.* (2024) '[The adjunctive use of Leukocyte-Platelet Rich Fibrin \(L-PRF\) in the management of Medication Related Osteonecrosis of the Jaw \(MRONJ\): a retrospective observational study](#)', *Oral and maxillofacial surgery*, 28(4).
- 2) Fujimori, M. *et al.* (2024) '[What Affects Healing Rates in Patients Treated for Medication-Related Osteonecrosis of the Jaw? The Role of Operative Therapy and Other Clinical Factors](#)', *Journal of oral and maxillofacial surgery*, 82(11).
- 3) Mitate, E. *et al.* (2024) '[Mandible Reconstruction With Custom-Made Plates in Medication-Related Osteonecrosis of the Jaw-A Case Series](#)', *Case reports in dentistry*, 2024(1).

- 4) Patel, N. and Seoudi, N. (2024) '[Management of Medication-Related Osteonecrosis of the Jaw: An Overview of National and International Guidelines](#)', *British journal of oral & maxillofacial surgery*, 62(10).
- 5) Ruan, H.-J. *et al.* (2024) '[Medication-related osteonecrosis of the jaw: a retrospective single center study of recurrence-related factors after surgical treatment](#)', *Clinical oral investigations*, 28(10).

## OMFS Trauma

- 1) Jacob, O. *et al.* (2024) '[Scoping review of qualitative data of patient experience and unmet needs following facial trauma](#)', *British journal of oral & maxillofacial surgery*, 62(9).
- 2) Panesar, K.S. *et al.* (2024) '[Does a Submental Airway Compared to a Tracheostomy Reduce Length of Stay in Craniomaxillofacial Trauma?](#)', *Journal of oral and maxillofacial surgery*, 82(10).
- 3) Saranya, C.N. *et al.* (2024) '[Location of Fracture Determining the Length of Hospital Stay in Maxillofacial Trauma Patients – A Retrospective Study](#)', *Annals of maxillofacial surgery*, 14(2).

## General / Miscellaneous

- 1) Balel, Y. (2024) '[The most influential publications in oral and maxillofacial surgery over the past decade](#)', *Journal of stomatology, oral and maxillofacial surgery*, 126(4).
- 2) Glossop, S. *et al.* (2024) '[Oral and maxillofacial surgery and dental health education in undergraduate medicine: a systematic review](#)', *British journal of oral & maxillofacial surgery*, 62(10).
- 3) Joachim, M.V. *et al.* (2024) '[How clinical exposure improves dental students' understanding of oral and maxillofacial surgery: A cross-sectional study](#)', *Journal of dental education*, Online ahead of print.
- 4) Visholm, T. and Saeed, N. (2024) '[Current thinking in the management of temporomandibular disorders in children: A narrative review](#)', *British journal of oral & maxillofacial surgery*, 62(10).



# Additional Resources and Support

## Evidence Summaries

[Evidence summaries](#) are point of care decision support tools that make it quick and easy 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.

There are several evidence summary tools available via The Knowledge Network as part of our national library subscriptions, including [BMJ Best Practice](#) and [DynaMed](#), which you may want to search 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, subscription resources, or with literature searching, then please [contact your local library service](#) who will be happy to advise further.

NHS Forth Valley staff and partners can find more information about requesting services from the library on StaffNet, or get in touch with us by emailing [fv.forthvalleylibraryservices@nhs.scot](mailto:fv.forthvalleylibraryservices@nhs.scot).

## Disclaimer

Thank you for reading this current awareness bulletin. Please be aware that it is not intended to be an exhaustive list of all recently published literature related to OMFS but rather a selection of articles based on our search strategy. It may not represent the whole body of evidence.

Additionally, please be mindful of the fact that these results have not been through a critical appraisal process and may therefore be variable in quality.

No responsibility can be accepted by the NHS Forth Valley Library Service for any action taken on the basis of this information.

**End of Document**