



| | |
|--|--|
| <p>Failures of local anesthesia: dental perspective [free to members on Science Direct. If you do not have a login email library@bda.org to request one]</p> | Dent Clin N Amer 2026; 70(1): 15-29 |
| <p>Are we numb to the facts? Our experience of local anaesthetic allergy testing in a tertiary hospital immunology department</p> | BDJ (2025); https://doi.org/10.1038/s41415-025-8921-y |
| <p>Auxillary aids for pain and anxiety reduction during dental local anesthesia in pediatric patients: a systematic review [Log in to the BDA home page and follow the link to the BDJ portfolio to access]</p> | EBD 2025; 26(2): 114-115 |
| <p>Comparison of injection pain levels using conventional and computer-controlled local anesthetic delivery systems in pediatric dentistry: A systematic review and meta-analysis [free to members on Science Direct. If you do not have a login email library@bda.org to request one]</p> | J Dent 2025; 157: 105770 |
| <p>Dental hygiene student and faculty perspectives on disposable vs. traditional local anesthetic syringes: a pilot study [can be accessed on DOSS free by logging in on this page]</p> | J Dent Hyg 2025; 99(2): 26-36 |
| <p>Topical anesthetics methods used to reduce needle pain/discomfort prior to local anesthesia in children and adolescents: a scoping review [Log in to the BDA home page and follow the link to the BDJ portfolio to access]</p> | EBD 2025; 26(1): 65 |
| <p>Challenges in achieving profound local anesthesia: Insights from a patient survey [free to members on Science Direct. If you do not have a login email library@bda.org to request one]</p> | J Am Dent Assoc 2025; 156(7): 530-537.e2 |
| <p>Effect of intraoral photobiomodulation therapy on pain perception associated with local anaesthesia infiltration: a systematic review and meta-analysis of randomized controlled trials [free to members on Science Direct. If you do not have a login email library@bda.org to request one]</p> | Int J Oral Maxillofac Surg 2025; 54(1): 82-89 |
| <p>Evaluating the effectiveness of a virtual reality simulation for preclinical local anaesthesia dental education [Accessible from the Wiley link on this page]</p> | Eur J Dent Educ 2025; 29(3): 542-553 |
| <p>Overcoming local anesthesia failure during routine dental treatments in children [Accessible from the Wiley link on this page]</p> | Int J Paediatr Dent 2024; 34(5): 680-691 |
| <p>The teaching and assessment of local anaesthesia in UK dental schools</p> | Eur J Dent Educ 2024; 28(4): 955-963 |
| <p>Effectiveness of a needle-free local anesthetic technique compared to the traditional syringe technique for the restoration of young permanent molars: a single-blind randomized clinical trial</p> | J Clin Pediatr Dent 2024; 48(6): 107-116 |
| <p>Systemic corticosteroid uses in endodontics – Part 2: Enhancing the success of local anesthesia [free to members on Science Direct. If you do not have a login email library@bda.org to request one]</p> | J Endod 2024; 50(7): 899-906 |



ANAESTHESIA: LOCAL

| | |
|--|---|
| Comparison of hemodynamic changes with general or local anesthesia during dental treatment in pediatric patients: A prospective clinical study [Accessible from the Wiley link on this page] | Spec Care Dent 2024; 44(2): 563-574 |
| Comparison of computer controlled local anesthetic delivery and traditional injection regarding disruptive behaviour, pain, anxiety and biochemical parameters: a randomized controlled trial | J Clin Pediatr Dent 2024; 48(1): 120-127 |
| Comparative evaluation of the local anesthetic action of tramadol hydrochloride with adrenaline versus lidocaine hydrochloride with adrenaline for maxillary exodontia: A randomized control trial [free to members on Science Direct. If you do not have a login email library@bda.org to request one] | J Oral Maxillofac Surg 2024; 82(4): 478-484 |
| The effect of augmented reality book on the proficiency of local anesthesia administration of the inferior alveolar nerve [Accessible from the Wiley link on this page] | J Dent Educ 2024; 88(7): 1000-1008 |
| Comparative evaluation of the efficacy and onset of local anesthesia using buffered 2% lidocaine with 1:100,000 adrenaline, non-buffered 2% lidocaine with 1:100,000 adrenaline, buffered 4% articaine with 1:100,000 adrenaline and non-buffered 4% articaine with 1:100,000 adrenaline in dental extraction | J Maxillofac Oral Surg 2024; 23(5): 1255-1260 |
| Functional neurologic disorder as a rare complication of dental local anaesthetics: two contrasting cases [Log in to the BDA home page and follow the link to the BDJ portfolio to access] | Br Dent J 2024; 236(2): 97-99 |
| Pain during primary molar local anaesthesia with SleeperOne5 computerized device versus conventional syringe: A randomized, split-mouth, crossover, controlled trial [Accessible from the Wiley link on this page] | Int J Paediatr Dent 2024; 34(6): 891-905 |
| Effectiveness of animal-assisted activity on pain perception and anxiety of children undergoing intraoral local anesthetic administration [can be accessed on DOSS free by logging in on this page] | J Dent Child 2024; 91(1): 31-37 |
| Swiss paediatric dentists' preferences and experience on the use of articaine and other local/topical anaesthetics | Eur Arch Paediatr Dent 2024; |
| Injectable and topical local anesthetics for acute dental pain: 2 systematic reviews [free to members on Science Direct. If you do not have a login email library@bda.org to request one] | J Am Dent Assoc 2023; 154(1): 53-64.e14 |
| A comparison of simulation and traditional local anesthesia teaching methods among dental hygiene students | J Dent Educ 2023; 87(6): 755-763 |
| A patient with known allergy to local anesthesia presenting for a dental restoration [free to members on Science Direct. If you do not have a login email library@bda.org to request one] | Dent Clin N Am 2023; 67(3): 527-529 |



ANAESTHESIA: LOCAL

| | |
|---|---|
| Local anesthesia with SleeperOne S4 computerized device vs traditional syringe and perceived pain in pediatric patients: a randomized clinical trial | J Clin Pediatr Dent 2023; 47(1): 82-90 |
| Hypotension without skin symptoms at local anesthesia in dental treatment: Anaphylaxis? Or vasovagal reaction? | Anesth Prog 2023; 70(2): 91-92 |
| A pilot study of local anesthesia training using a mixed-reality haptic fidelity model [Accessible from the Wiley link on this page] | J Dent Educ 2023; 87(4): 583-591 |
| Local anesthesia training with mixed reality advanced dental simulators | J Dent Sci 2023; 18(3): 1442-1443 |
| Dental interns' perceptions of immersive simulated reality scenarios for local anaesthesia learning | J Dent Sci 2023; 18(4): 1920-1921 |
| Traumatic myositis ossificans of the temporal muscle after dental local anesthesia | Clin Case Rep 2023; 11(6): e7410 |
| A novel scale to assess parental satisfaction of dental local anesthetic techniques in children: A cross-sectional study | Pain Res Manag 2023; 1: 9973749 |
| Effectiveness of buffered and non-buffered local anaesthetic in inferior alveolar nerve block: a randomised study [free to members on Science Direct. If you do not have a login email library@bda.org to request one] | Br J Oral Maxillofac Surg 2023; 61(5): 351-355 |
| Pulpal anesthesia of maxillary first molars using 4% articaine infiltration in patients with symptomatic irreversible pulpitis: a randomized controlled clinical trial [can be accessed on DOSS free by logging in on this page] | Clin Oral Invest 2023; 27 (7): 3999-4006 |
| Effectiveness of buccal infiltration anaesthesia compared to inferior alveolar nerve block anaesthesia in primary mandibular molar extractions: a randomised controlled study [Log in to the BDA home page and follow the link to the BDJ to access] | BDJ 2023; 235: doi: 10.1038/s41415-023-6063-7 |
| Articaine: dental practitioner use, basis of perception and evidence-based dentistry—a cross-sectional study | BDJ Open 2022; 8: Art 20 |
| Jet injection needle-free dental anaesthesia: Initial findings [free to members on Science Direct. If you do not have a login email library@bda.org to request one] | J Dent 2022; (122): 104165 |
| Efficacy of four local anaesthesia protocols for mandibular first molars with symptomatic irreversible pulpitis: A randomized clinical trial [Accessible from the Wiley link on this page] | International Endodontic Journal 2022; 55(3): 219-230 |
| Do computerized delivery systems promote less pain and anxiety compared to traditional local anesthesia in dental procedures? a systematic review of the literature [free to members on Science Direct. If you do not have a login email library@bda.org to request one] | J Oral Maxillofac Surg 2022; 80 (4): 620-32 |



ANAESTHESIA: LOCAL

| | |
|--|--|
| Evaluation of buffered local anaesthesia in dental extraction: A randomized controlled study [Accessible from the Wiley link on this page] | Oral Surg 2022; online 8 Mar doi.org/10.1111/ors.12731 |
| A prospective observational study on the variables affecting the risk of inferior alveolar nerve damage during lower third molar surgery with nerve/root proximity [free to members on Science Direct. If you do not have a login email library@bda.org to request one] | J Oral Maxillofac Surg 2022; 80 (1): 13-21 |
| Jet or conventional local anaesthesia? A randomized controlled split mouth study [can be accessed on DOSS free by logging in on this page] | Clin Oral Invest 2021; 25 (12): 6813-19 |
| Histologic and histomorphometric analysis of connective tissue grafts harvested by the parallel incision method: a pilot randomized controlled trial comparing macro- and microsurgical approaches [can be accessed on DOSS free by logging in on this page] | Quintessence Int 2021; 52(9): 772-778 |
| Local anaesthesia in dentistry: a review | International Dental Journal 2021; 71(2): 87-95 |
| Randomised controlled trial of a microneedle patch with a topical anaesthetic for relieving the pain of dental injections [free to members on Science Direct. If you do not have a login email library@bda.org to request one] | J Dent 2021; (107): 103617 |
| Adverse reaction to local anaesthetics: Is it always allergy? [can be accessed on DOSS free by logging in on this page] | Oral Diseases 2020; 26(6): 1340-1342 |
| ***** | ***** |
| Comparison of three anaesthetic techniques for the removal of posterior mandibular teeth with 2% lidocaine: a systematic review (request using https://www.smartsurvey.co.uk/s/PJHMV/) | Clin Oral Investig 2020; 24(12): 4143-4152 |
| Efficacy of topical benzocaine in maxilla: a randomized controlled trial | Anesth Prog 2019; (66): 24-29 |
| Do buffered local anesthetics provide more successful anesthesia than nonbuffered solutions in patients with pulpally involved teeth requiring dental therapy? A systematic review [free to members on Science Direct. If you do not have a login email library@bda.org to request one] | J Am Dent Assoc 2019; (150): 165-177 |
| Pulpal anesthesia of adjacent teeth following infiltration of 2% lidocaine with 1:100,000 epinephrine in the maxillary lateral incisor and first molar | Anesth Prog 2019; (66):14-19 |
| Anesthetic efficacy of buccal infiltration articaine versus lidocaine for extraction of primary molar teeth | Anesth Prog 2019; (66): 3-7 |
| Pain and anxiety associated with Computer-Controlled Local Anaesthesia: systematic review and meta-analysis of cross-over studies | Eur J Paediatr Dent 2018; (19): 324-332 |



ANAESTHESIA: LOCAL

| | |
|--|---|
| Double-blind, randomized controlled trial on analgesic efficacy of local anesthetics articaine and bupivacaine after impacted third molar extraction trial [can be accessed on DOSS free by logging in on this page] | Clin Oral Invest 2018; (22): 2981-2988 |
| Anaesthetic efficacy of articaine <i>versus</i> lidocaine in children’s dentistry: a systematic review and meta-analysis [can be accessed on DOSS free by logging in on this page] | Int J Paediatr Dent 2018; (28): 437-360 |
| Anaesthetic efficacy of 4% articaine compared with 2% mepivacaine: a randomized, double-blind, crossover clinical trial | Int J Oral Maxillofac Surg 2018; (47): 933-939 |
| Efficacy of epinephrine-free articaine compared to articaine with epinephrine (1:100 000) for maxillary infiltration, a randomised clinical trial [can be accessed on DOSS free by logging in on this page] | J Oral Rehabil 2018; (45): 467-475 |
| Reversing the effects of 2% lidocaine: a randomized controlled clinical trial [free to members on Science Direct. If you do not have a login email library@bda.org to request one] | J Dent 2018; (72): 76-79 |
| Anaesthetic efficacy of 4% articaine and 2% lidocaine for extraction and pulpotomy of mandibular primary molars: an equivalence parallel prospective randomized controlled trial [can be accessed on DOSS free by logging in on this page] | Int J Paediatr Dent 2018; (28): 335-344 |
| Efficacy of articaine versus lidocaine in supplemental infiltration for mandibular first versus second molars with irreversible pulpitis: a prospective, randomized, double-blind clinical trial | J Endod 2018; (44): 523-528 |
| Single tooth anesthesia versus conventional anesthesia: a cross-over study [can be accessed on DOSS free by logging in on this page] | Clin Oral Invest 2018; (22): 3205-3213 |
| Articaine versus lidocaine concentration in the palatal tissues after suprapariosteal buccal infiltration anesthesia [free to members on Science Direct. If you do not have a login email library@bda.org to request one] | J Oral Maxillofac Surg 2018; 76: 315.e1-315.e7 |
| Comparison of anaesthetic regime in patients undergoing third molar extraction [can be accessed on DOSS free by logging in on this page] | Oral Surg 2018; 11: 33-40 |
| Local anesthesia in endodontics [not available] | Clin Dent Rev 2017; 1(2) doi.org/10.1007/s41894-017-0002-4 |
| Effectiveness of 5% EMLA cream versus 20% benzocaine gel as topical anesthetics in dentistry | J Royal Med Services 2017; 24(2): 41-47 |
| Palatal injection for the removal of maxillary teeth: current practice among oral and maxillofacial surgeons [free to members on Science Direct. If you do not have a login email library@bda.org to request one] | J Oral Maxillofac Surg 2017; 75: 1376.e1-1376.e5 |



ANAESTHESIA: LOCAL

| | |
|--|---|
| Articaine and neurotoxicity – a review [Log in to the BDA home page and follow the link to the BDJ to access] | Br Dent J 2017; 223(7):501-506 |
| Extraction of maxillary teeth using articaine without a palatal injection: a comparison between the anterior and posterior regions of the maxilla | J Oral Maxillofac Surg 2017; (75): 87-91 |
| Effect of topical anesthesia on pain from needle insertion and injection and its relationship with anxiety in patients awaiting apical surgery: a randomized double-blind clinical trial [free to members on Science Direct. If you do not have a login email library@bda.org to request one] | JOE 2017; 43(3): 364-369 |
| An investigation into dental local anaesthesia teaching in United Kingdom | SAAD Digest 2016; (32): 7-13 |
| Variant inferior alveolar nerves and implications for local anesthesia | Anesth Prog 2016; (63): 84-90 |
| Articaine – to use or not to use? | SAAD Digest 2016; (32): 50-54 |
| Ophthalmologic complications after administration of local anesthesia in dentistry: a systematic review [free to members on Science Direct. If you do not have a login email library@bda.org to request one] | Oral Surg Oral Med Oral Pathol Oral Radiol 2016; (121): e39-e50 |
| ‘Plain lignocaine’ vs ‘lignocaine with vasoconstrictor’ —comparative evaluation of pain during administration and post-extraction wound healing by a double-blinded randomized controlled clinical trial [can be accessed on DOSS free by logging in on this page] | Acta Odontol Scand 2016; 74(5): 374-379 |
| How effective is supplemental intraseptal anesthesia in patients with symptomatic irreversible pulpitis [free to members on Science Direct. If you do not have a login email library@bda.org to request one] | J Endod 2016; 42(1): 1453-1457 |
| Natural rubber latex allergies from dental local anaesthetic: a review and guidance for the dental practitioner (request using https://www.smartsurvey.co.uk/s/PJHMV/) | Dent Update 2016; 43: 753-758 |
| Clinical comparison: fast-acting and traditional topical dental anesthetic | Anesth Prog 2016; 63: 55-61 |
| Needle-free buccal anesthesia using iontophoresis and amino amide salts combined in a mucoadhesive formulation [not available] | Colloids Surf B Biointerfaces 2015; 136: 1193-201 |
| Palatal injection for removal of maxillary teeth: is it required? A systematic review [free to members on Science Direct. If you do not have a login email library@bda.org to request one] | Int J Oral Maxillofac Surg 2016; 45: 1283-1292 |
| Effect of hydralazine on duration of soft tissue local anaesthesia following dental treatment: a randomized clinical trial | Gen Dent 2015; 63(5): 39-42 |
| Phentolamine mesylate to reverse oral soft-tissue local anesthesia | JADA 2015; 146(10): 751-759 |



ANAESTHESIA: LOCAL

[Effect of needle design on pain from dental local anaesthetic injections](#)

Anesth Prog 2015; (62): 2-7

[Efficacy and safety of mepivacaine compared with lidocaine in local anaesthesia in dentistry: a meta-analysis of randomised controlled trials](#)

Int Dent J, 2014; 64: 96-107

Efficacy and safety of bupivacaine *versus* lidocaine in dental treatments: a meta-analysis of randomized controlled trials [can be accessed on DOSS free by logging in [on this page](#)]

Int Dent J 2014; (64): 34-45

Using vasoconstrictors in local dental anaesthetics [not available]

Brush up on Cor CPD, 2013; Jan/Feb: 40-41

[Buffered local anaesthetics: the importance of pH and CO₂](#)

SAAD Digest 2013 29 9-17

[Dentists' perceptions of a new local anaesthetic drug – articaine](#)

Aust Dent J 2012 57 18-22