



## INTRALIGAMENTARY ANAESTHESIA

<p><a href="#">Evaluation of dental students' learning curve in intraligamentary anesthesia using different syringe systems: A prospective crossover study</a></p>	J Dent Educ 2025; 89(4): 493-503
<p><a href="#">Effect of back-pressure anesthesia on postoperative pain after the endodontic treatment in patients with symptomatic irreversible pulpitis: Randomized double-blind clinical trial</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]</p>	J Endod 2024; 50(8): 1037-1043
<p>The bevel effect: a prospective, randomized investigation into needle design in dental intraligamentary anesthesia [can be accessed on DOSS free by logging in <a href="#">on this page</a>] [Not included in the loan package]</p>	Clin Oral Investig 2024; 28(3): 170
<p><a href="#">Cryotherapy and pain intensity during endodontic treatment of mandibular first permanent molars with symptomatic irreversible pulpitis: A randomized controlled trial</a></p>	Clin Oral Investig 2023; 27(8): 4585-4593
<p><a href="#">Efficacy of inferior alveolar nerve block and intraligamentary anesthesia in the extraction of primary mandibular molars: A randomized controlled clinical trial</a></p>	Saudi Dent J 2023; 35(5): 567-573
<p>Comparison of the effectiveness of intraligamentary anesthesia and inferior alveolar nerve block on mandibular molar teeth in pediatric patients: a randomized controlled clinical study [can be accessed on DOSS free by logging in <a href="#">on this page</a>] [Not included in the loan package]</p>	Clin Oral Investig 2023; 27: 3071-3082
<p><a href="#">Computer-controlled intraligamentary local anaesthesia in extraction of mandibular primary molars: randomised controlled clinical trial</a></p>	BMC Oral Health 2022; 22: Art 194
<p><a href="#">Anesthetic efficacy of supplemental buccal infiltration versus intraligamentary injection in mandibular first and second molars with irreversible pulpitis: a prospective randomized clinical trial</a></p>	J Dent Anesth Pain Med 2022; 22(5): 339-348
<p><a href="#">Anesthetic efficacy of supplemental intraligamentary injection in human mandibular teeth with irreversible pulpitis: a systematic review and meta-analysis</a></p>	J Dent Anesth Pain Med 2022; 22(1): 1-10
<p>A 15-year unique observational study of intraligamentary local anaesthesia for posterior extractions [Log in to the <a href="#">BDA home page</a> and follow the link to the BDJ to access]</p>	BDJ 2021; Feb 11 [Ahead of print]
<p><a href="#">RCT on the effectiveness of the intraligamentary anesthesia and inferior alveolar nerve block on pain during dental treatment</a></p>	Clin Oral Investig 2021; 25: 4825-4832
<p><a href="#">Effect of a combination of nitrous oxide and intraligamentary injection on the success of the inferior alveolar nerve block in patients with symptomatic irreversible pulpitis</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]</p>	J Endod 2021; 47(12): 1890-1895
<p><a href="#">Preoperative intraligamentary injection of dexamethasone can improve the anesthetic success rate of 2% lidocaine during the endodontic management of mandibular molars with symptomatic irreversible pulpitis</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]</p>	J Endod 2021; 47(2): 161-168



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Anaesthetic efficacy of 2% lidocaine with different concentrations of epinephrine (1:80,000 and 1:200,000) in intraligamentary injection after a failed primary inferior alveolar nerve block: a randomized double-blind study [can be accessed on DOSS free by logging in <a href="#">on this page</a> ]	Acta Odontol Scand 2020; 78(4): 275-280
<a href="#">Intraligamentary anaesthesia as a possible anaesthetic option in oral implantology: a retrospective analysis</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	Int J Oral Maxillofac Surg 2020; 49(6): 811-815
<a href="#">Efficacy of pulpal anesthesia using a needle-less syringe</a>	Anesth Prog 2020; 67(4): 200-206
<a href="#">Comparison of pain perception using conventional versus computer-controlled intraligamentary local anesthetic injection for extraction of primary molars</a>	Anesth Prog 2019; 66(2): 69-76
<a href="#">Efficacy of articaine versus lidocaine administered as supplementary intraligamentary injection after a failed inferior alveolar nerve block: a randomized double-blind study</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	J Endod 2019; 45(1): 1-5
<a href="#">Comparative evaluation of the efficacy of intraligamentary and supraperiosteal injections in the extraction of maxillary teeth: a randomized controlled clinical trial</a>	J Contemp Dent Pract 2018; 19(9): 1116-1121
Prospective clinical study comparing intraligamentary anesthesia and inferior alveolar nerve block for extraction of posterior mandibular teeth [can be accessed on DOSS free by logging in <a href="#">on this page</a> ]	Clin Oral Investig 2018; 22(3): 1469-1475
<a href="#">Efficacy of intraligamentary anesthesia in maxillary first molar extraction</a>	J Pain Res 2018; (11): 1829-1833
<a href="#">Computerized intraligamental anesthesia in children: A review of clinical considerations</a>	J Dent Anesth Pain Med 2018; 18(4): 197-204
<a href="#">How effective are inferior alveolar nerve block and supplemental intraligamentary injections in pediatric patients with deep carious permanent mandibular molars?</a>	Pediatr Dent 2018; 40(7): 437-442
<a href="#">In vivo evaluation of 4% articaine and 2% lignocaine intraligamentary injection administered with single tooth anesthesia-wand</a>	Contemp Clin Dent 2017; 8(2): 315-320
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Anaesthetic efficacy of intraligamentary injection techniques on mandibular molars diagnosed with asymptomatic irreversible pulpitis: a retrospective study [can be accessed on DOSS free by logging in <a href="#">on this page</a> ]	Aust Endod J 2017; 43(1): 34-37
<a href="#">Evaluation of efficacy of intraligamentary injection technique for extraction of mandibular teeth—a prospective study</a>	J Clin Diagnost Res 2017; 11(1): ZC110-ZC113



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The effectiveness of computerized anesthesia in primary mandibular molar pulpotomy: a randomized controlled trial [can be accessed on DOSS free by logging in <a href="#">on this page</a> ]	Quintessence Int 2016; 47 (3): 217-224
<a href="#">Effect of dexametasone intraligamentary injection on post-endodontic pain in patients with symptomatic irreversible pulpitis: a randomized controlled clinical trial</a>	Iran Endod J 2016; 11(4): 261-266
*Intraligamentary and supraperiosteal anesthesia efficacy using a computer controlled delivery system in mandibular molars* [can be accessed on DOSS free by logging in <a href="#">on this page</a> ]	J Clin Pediatr Dent 2016; 40(3): 193-199
Clinical efficacy of a computerized device (STA™) and a pressure syringe (VarioJect INTRA™) for intraligamentary anaesthesia [can be accessed on DOSS free by logging in <a href="#">on this page</a> ]	Eur J Dent Educ 2015; (19(1): 16-22
The pain-related behaviour and pain perception associated with computerized anesthesia in pulpotomies of mandibular primary molars: a randomized controlled trial [can be accessed on DOSS free by logging in <a href="#">on this page</a> ]	Quintessence Int 2015; 46 (9): 799-806
Periodontal intraligament injection as alternative to inferior alveolar nerve block – meta-analysis of the literature from 1979 to 2012 [can be accessed on DOSS free by logging in <a href="#">on this page</a> ]	Clin Oral Investig 2014; 18(2): 351-358
<a href="#">Aspiration in intra-ligamental anaesthesia of lower first molar teeth: a pilot study</a>	OHDM 2012; 11 (3): 95-99
<a href="#">A prospective randomized trial of different supplementary local anesthetic techniques after failure of inferior alveolar nerve block in patients with irreversible pulpitis in mandibular teeth</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	J Endod 2012; 38 (4): 421-425
<a href="#">Periodontal ligament and intraosseous anesthetic injection techniques: alternatives to mandibular nerve blocks</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	J Am Dent Assoc 2011; 142 (9 Suppl.): 13S-18S
Effect of computerized delivery intraligamental injection in primary molars on their corresponding permanent tooth buds [can be accessed on DOSS free by logging in <a href="#">on this page</a> ]	Int J Paediatr Dent 2010; 20(4): 270-275
Intraligamentary anesthesia: benefits and limitations [can be accessed on DOSS free by logging in <a href="#">on this page</a> ]	Quintessence Int 2008; 39 (1): e15-e25
Single-tooth anesthesia: pressure-sensing technology provides innovative advancement in the field of dental local anesthesia [can be accessed on DOSS free by logging in <a href="#">on this page</a> ]	Compendium Cont Educ Dent 2007; 28 (4): 186-193
Randomized controlled trial of the intraligamental use of a local anaesthetic (lignocaine 2%) versus controls in paediatric tooth extraction [can be accessed on DOSS free by logging in <a href="#">on this page</a> ]	Int J Paediatr Dent 2007; 17(4): 297-303



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Assessment of a palatal approach-anterior superior alveolar (P-ASA) nerve block with the Wand® in paediatric dental patients [can be accessed on DOSS free by logging in <a href="#">on this page</a> ]	Int J Paediatr Dent 2006; 16(5): 348-351
Intraligamental analgesia for post-operative pain control in children having dental extractions under general anaesthesia (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	Eur J Paediatr Dent 2005; 6 (1): 10-15
Efficacy of articaine and lidocaine in a primary intraligamentary injection administered with a computer controlled local anesthetic delivery system (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	Oral Surg Oral Med Oral Pathol 2005 (99): 361-366
<a href="#">Comparison of injection pain, heart rate increase, and postinjection pain of articaine and lidocaine in a primary intraligamentary injection administered with a computer-controlled local anesthetic delivery system</a>	Anesth Prog 2004; (51): 126-133
Histological response to intraligament injections using a computerized local anesthetic delivery system. a pilot study in mini-swine [can be accessed on DOSS free by logging in <a href="#">on this page</a> ]	J Periodontol 2000; 71(9): 1453-1459
Are intraligamentary injections intravascular? (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	Br Dent J 1993 175 (8) 281-4
Dry socket: frequency of occurrence after intraligamentary anesthesia [can be accessed on DOSS free by logging in <a href="#">on this page</a> ]	Quintessence Int 1992; 23 (8): 575-577
Bone and root resorption: effects of the force developed during periodontal ligament injections in dogs (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	Oral Surg Oral Med Oral Pathol 1992 74 (3) 357-65
Odontogenic bacteraemia and intraligamental analgesia [letter] (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	Br Dent J 1992 173 (6) 195
Intraligamentary anaesthesia (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	J Dent 1992 20 325-332
Plastic dental local anaesthesia cartridge: a laboratory investigation (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	Br Dent J 1990 169 54-56
<a href="#">Periodontal ligament injection: alternative solutions</a>	Anesth Prog 1990 37 293-295
The periodontal ligament injection as a primary technique (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	J Endodont 1990 16 (2) 62-66
Pressures produced in vitro during intraligamentary anaesthesia (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	Br Dent J 1989 167 341-344
A clinical trial of intraligamentary anesthesia [can be accessed on DOSS free by logging in <a href="#">on this page</a> ]	J Dent Res 1989 68 (7) 1210-1214
Periodontal ligament injection: review of the literature [can be accessed on DOSS free by logging in <a href="#">on this page</a> ]	Quintessence Int 1989 20 219-223



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The effects of the vasoconstrictor epinephrine on the duration of pulpal anesthesia using the intraligamentary (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	J Am Dent Assoc 114 807-809
Periodontal ligament injection: with or without a vasoconstrictor? (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	Br Dent J 1987 162 263-266
The use of intraligamental injections in haemophiliacs (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	Br Dent J 1987 162 151-152
Systemic effects of intraligamental injections (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	J Endodont 1986 12 (10) 501-504
Periodontal ligament anaesthesia - effect on root on root cementum in homo (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	Swed Dent J 10 145-150
Distribution of solutions with the periodontal ligament injection: clinical, anatomical, and histological evidence (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	J Endodont 1986 12 (10) 492-500
Periodontal ligament injection: clinical effects on tooth and periodontium of young adults (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	Int Dent J 1986 19 230-236
A clinical assessment of the intraligamentary injection (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	Br Dent J 1986 161 296-298
An alternative to conventional local infiltration or regional nerve block injection of anesthesia can be used with efficacy and safety: intraseptal anesthesia in periodontal surgery (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	J Am Dent Assoc 1985 111 249-256
Intraligamentary dental analgesia by dental therapists (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	Br Dent J 1985 159 329-330
Intraligamentary anesthesia: a double-blind comparative study (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	J Am Dent Assoc 1984 108 175-178
A clinical evaluation of the Ligmaject periodontal ligament syringe (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	Dent Update 1983 10 (10) 639-643
Status report: the periodontal ligament injection (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	J Am Dent Assoc 1983 222-224
The high-pressure periodontal ligament injection: a study involving undergraduate operators (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	Br Dent J 1983 154 103-105
Alternative to mandibular block injections through intraligamental anaesthesia [can be accessed on DOSS free by logging in <a href="#">on this page</a> ]	Quintessence Int 1982 13 (2) 231-237
The periodontal ligament (PDL) injection: an alternative to inferior alveolar nerve block (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	Oral Surg Oral Med Oral Pathol 1982 53 (2) 117-121