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Performance of 7 artificial intelligence chatbots on board-style endodontic questions	J Endod 2025; 51(10): 1413-1419
Performance of 4 artificial intelligence chatbots in answering endodontic questions [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Endod 2025; 51(5): 602-608
A review of ChatGPT as a reliable source of scientific information regarding endodontic local anesthesia [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Endod 2025; 51(5): 571-576
A novel artificial intelligence-powered tool for automated root canal segmentation in single-rooted teeth on cone-beam computed tomography	Int Endod J 2025; 58(4): 658-671
Unveiling the power of artificial intelligence for image-based diagnosis and treatment in endodontics: An ally or adversary?	Int Endod J 2025; 58(2): 155-170
Al-driven segmentation of the pulp cavity system in mandibular molars on CBCT images using convolutional neural networks	Clin Oral Investig 2024; 28: 650
Artificial intelligence in endodontics: data preparation, clinical applications, ethical considerations, limitations, and future directions	Int Endod J 2024; 57(11): 1566-95
Artificial intelligence in endodontics: fundamental principles, workflow, and tasks	Int Endod J 2024; 57(11): 1546-65
Artificial intelligence for detecting periapical radiolucencies: A systematic review and meta-analysis	J Dentistry 2024; 147: 105104
Microrobotics in endodontics: A perspective	Int Endod J 2024; 57(7): 861-871
The use of artificial intelligence in endodontics	J Dent Res 2024; 103 (9): 853-862
Progress of artificial intelligence-driven solutions for automated segmentation of dental pulp cavity on cone-beam computed tomography images. A systematic review	J Endod 2024; online 29 May doi.org/10.1016/j.joen.2024.05.012
Artificial intelligence for detection of external cervical resorption using label- efficient self-supervised learning method [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Endod 2024; 50(2): 144-153
Unveiling the ChatGPT phenomenon: evaluating the consistency and accuracy of endodontic question answers	Int Endod J 2024; 57(1): 108-113
Validity and reliability of artificial intelligence chatbots as public sources of information on endodontics [Accessible from the Wiley link on this page]	Int Endod J 2023; Dec 20 [Ahead of print]
Applying artificial intelligence to detect and analyse oral and maxillofacial bone loss—a scoping review	Aust Endod J 2023; 49(3): 720-734
Artificial intelligence: is it more accurate than endodontists in root canal therapy? [Log in to the <u>BDA home page</u> and follow the link to the BDJ to access]	EBD 2023; 24(3): 106-107



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Artificial intelligence and its application in endodontics: A review	J Contemporary Dent Pract 2023; 24(11): 912-917
Predicting case difficulty in endodontic microsurgery using machine learning algorithms	J Dent 2023; 133: 104522
Prediction of pulp exposure before caries excavation using artificial intelligence: Deep learning-based image data versus standard dental radiographs	J Dent 2023; 138: 104732
ChatGPT, consistency and accuracy of endodontic question [Accessible from the Wiley link on this page]	Int Endod J 2023; Nov 07 [Ahead of print]
Evaluating the performance of generative adversarial network-synthesized periapical images in classifying C-shaped root canals	Sci Rep 2023; 13(1): 18038
Artificial intelligence in endodontics	J Calif Dent Assoc 2023; 51(1): 2199933
Contemporary role and applications of artificial intelligence in dentistry [Accessible from the Wiley link on this page]	F1000Research 2023; 12: 1179
The efficiency of artificial intelligence methods for finding radiographic features in different endodontic treatments - a systematic review	Acta Odontol Scand 2023; 81(6): 422-435
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Preoperative risk assessment does not allow to predict root filling length using machine learning: A longitudinal study [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2023; 128: 104378
Can ChatGPT pass the "Iranian Endodontics Specialist Board" exam?	Iran Endod J 2023; 18(3): 192
Detection of the separated root canal instrument on panoramic radiograph: a comparison of LSTM and CNN deep learning methods	Dento-Maxillofac-Radiol 2023; 52(3): 20220209
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Developments and performance of artificial intelligence models designed for application in endodontics: A systematic review	Diagnostics (Basel) 2023; 13(3): 414
The role of neural artificial intelligence for diagnosis and treatment planning in endodontics: A qualitative review	Saudi Dent J 2022; 34(4): 270-281



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A lightweight convolutional neural network model with receptive field block for C-shaped root canal detection in mandibular second molars	Sci Rep 2022; 12(1): 17373
Machine learning models for prognosis prediction in endodontic microsurgery	J Dent 2022; 118: 103947
Association between patient-, tooth- and treatment-level factors and root canal treatment failure: A retrospective longitudinal and machine learning study	J Dent 2022; 117: 103937
Critical analysis of artificial intelligence in endodontics: a scoping review [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Endod 2022; 48(2): 152-160
Deep learning for categorization of endodontic lesion based on radiographic periapical index scoring system [can be accessed on DOSS free by logging in on this page]	Clin Oral Investig 2022; 26(1): 651-658
Predicting postoperative pain following root canal treatment by using artificial neural network evaluation	Sci Rep 2021; 11(1): 17243
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Effectiveness of artificial intelligence applications designed for endodontic diagnosis, decision-making, and prediction of prognosis: A systematic review	J Contemporary Dent Pract 2020; 21(8): 926-934