



## ORTHODONTICS : ARTIFICIAL INTELLIGENCE & ROBOTICS

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<a href="#">Patient trust in artificial intelligence for orthodontic advice: A systematic review</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 Amer Dent Assoc 2025; 156(11): 931-944
<a href="#">Effectiveness of automated segmentation of maxillofacial structures in cone-beam computed tomography images using artificial intelligence: A systematic review</a>	Int Orthodont 2025; 24 : 101081
<a href="#">Accuracy of artificial intelligence in orthodontic extraction treatment planning: a systematic review and meta analysis</a>	BMC Oral Health 2025; 25(1): 1576
<a href="#">Unveiling the role of artificial intelligence applied to clear aligner therapy: A scoping review</a>	J Dent 2025; 154: 105564
<a href="#">Artificial intelligence in orthodontics: concerns, conjectures, and ethical dilemmas</a>	Int Dent J 2025; 75(1): 20-22
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Artificial intelligence for treatment planning and soft tissue outcome prediction of orthognathic treatment: A systematic review [can be accessed on DOSS free by logging in <a href="#">on this page</a> ]	J Orthodont 2024; 51 (2): 107-19
<a href="#">Artificial intelligence in orthodontics: critical review</a>	J Dent Res 2024; online April 29 doi.org/10.1177/00220345241235606
Cephalometric analysis performance discrepancy between orthodontists and an artificial intelligence model using lateral cephalometric radiographs [can be accessed on DOSS free by logging in <a href="#">on this page</a> ]	J Esthet Restor Dent 2024; 36(4): 555-565
An artificial neural network approach for rational decision-making in borderline orthodontic cases: A preliminary analytical observational in silico study [can be accessed on DOSS free by logging in <a href="#">on this page</a> ]	J Orthod 2023; 50(4): 439-448



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<a href="#">Blockchain technology and federated machine learning for collaborative initiatives in orthodontics and craniofacial health</a>	Orthod Craniofac Res 2023; 26(Suppl.1): 118-123
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<a href="#">Artificial intelligence applications in orthodontics</a>	J Calif Dent Assoc 2023; 51(1): 2195585
<a href="#">Artificial intelligence in orthognathic surgery – a narrative review of surgical digital tools and 3d orthognathic surgical planning</a>	J Calif Dent Assoc 2023; 51(1): 2202444
<a href="#">What is the current state of artificial intelligence applications in dentistry and orthodontics?</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 Stomatol Oral Maxillofac Surg 2023; 124(5): 101524
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<a href="#">Is automatic cephalometric software using artificial intelligence better than orthodontist experts in landmark identification?</a>	BMC Oral Health 2023; 23: Art 467
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<a href="#">Evaluating the accuracy of automated orthodontic digital setup models</a>	Seminars Orthod 2023; 29 (1): 60-67
Artificial intelligence system for automated landmark localization and analysis of cephalometry (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	Dentomaxillofac Radiol 2023; 52 (1): 20220081
<a href="#">The validation of orthodontic artificial intelligence systems that perform orthodontic diagnoses and treatment planning</a>	Eur J Orthodont 2022; 44 (4): 436-44



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<a href="#">Machine learning in orthodontics: Automated facial analysis of vertical dimension for increased precision and efficiency</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]	Am J Orthod Dentofac Orthop 2022; 161(3): 445-450
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<a href="#">A machine learning approach to determine the prognosis of patients with class III malocclusion</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]	Am J Orthod Dentofac Orthop 2022; 161(1): e1-e11
<a href="#">Evaluation of fully automated cephalometric measurements obtained from web-based artificial intelligence driven platform</a>	BMC Oral Health 2022; 22: Art 132
<a href="#">Cephalometric analysis in orthodontics using artificial intelligence – a comprehensive review</a>	BioMed Res Int 2022: 1880113
<a href="#">Automatic localization of cephalometric landmarks based on convolutional neural network</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]	Am J Orthod Dentofac Orthop 2022; 161(3): e250-e259
<a href="#">Machine learning and orthodontics, current trends and the future opportunities: A scoping review</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]	Am J Orthod Dentofac Orthop 2021; 160(2): 170-192.e4
<a href="#">Machine learning in orthodontics: Challenges and perspectives</a>	Adv Clin Exp Med 2021; 30(10): 1065-1074
Multiclass CBCT image segmentation for orthodontics with deep learning [can be accessed on DOSS free by logging in <a href="#">on this page</a> ]	J Dent Res 2021; 100(9): 943-949
<a href="#">Robotic applications in orthodontics: Changing the face of contemporary clinical care</a>	BioMed Res Int 2021: 9954615
<a href="#">Artificial intelligence in orthodontics: Where are we now? A scoping review</a>	Orthod Craniofac Res 2021; 24(S2): 6-15
<a href="#">The validity of an artificial intelligence application for assessment of orthodontic treatment need from clinical images</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]	Seminars Orthod 2021; 27(2): 164-171
<a href="#">An artificial intelligence based referral application to optimize orthodontic referrals in a public oral healthcare system</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]	Seminars Orthod 2021; 27(2): 157-163
<a href="#">Artificial Intelligence Driven Remote Monitoring of orthodontic patients: Clinical applicability and rationale</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]	Seminars Orthod 2021; 27(2): 138-156



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<a href="#">Applications of artificial intelligence and machine learning in orthodontics: a scoping review</a>	Prog Orthod 2021; (22): 18
<a href="#">Deep learning and computer vision: Two promising pillars, powering the future in orthodontics</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]	Seminars Orthod 2021; 27(2): 62-68
The diagnostic advantage of a CBCT-derived segmented STL rendition of the teeth and jaws using an AI algorithm (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	J Clin Orthod 2021; 55(6): 361-369
<a href="#">Artificial Intelligence (AI) driven orthodontic care: A quest toward utopia?</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]	Seminars Orthod 2021; 27(2): 57-61
<a href="#">Evaluation of automated cephalometric analysis based on the latest deep learning method</a>	Angle Orthod 2021; 91(3): 329-335
<a href="#">A knowledge-based algorithm for automatic monitoring of orthodontic treatment: The Dental Monitoring System. Two cases</a>	Sensors (Basel) 2021; 21(5): 1856
<a href="#">A deep learning-based approach for the detection of early signs of gingivitis in orthodontic patients using faster region-based convolutional neural networks</a>	Int J Environ Res Public Health 2020; 17(22): 8447
<a href="#">Machine learning in orthodontics: Introducing a 3D auto-segmentation and auto-landmark finder of CBCT images to assess maxillary constriction in unilateral impacted canine patients</a>	Angle Orthod 2020; 90(1): 77-84