Published papers matching chiropractic and AI / artificial intelligence

Found: 12 published records—11 journal articles and 1 conference-proceedings paper—containing the requested terms or a chiropractor variant in their titles, abstracts, full text, or indexed keywords.

The search covered PubMed, Europe PMC, accessible Index to Chiropractic Literature (ICL) records, and selected scholarly and publisher sources, without a publication-year restriction. These are search-term matches, **not necessarily matches in both formal author-assigned keywords**. They also do not all evaluate AI as a chiropractic treatment. The matching location is stated for each paper. Searches were conducted on 23 October 2026; this is a targeted bibliography, not an exhaustive systematic review.

Journal articles with a chiropractic focus

1. **The Opportunity to Unlock the Architecture of Healthcare Model: Chiropractic Care-at-Home** — Eric Chun Pu Chu; Sharon Tze Kwan Mok; Isabel Si Wing Chow; Wui Ling Chin. *Journal of Contemporary Chiropractic*. 2022;5(1):44–49. Conceptual healthcare-model article. 1

2. Proposes a chiropractic care-at-home model. **Match:** chiropractic is in the title; full text explicitly discusses "Artificial intelligence (AI)" and rule-based systems for remote spinal-alignment assessment. DOI and PMID were not verified. Open publisher article.

3. **The Potential of Chatbot in Chiropractic Practice** — Eden Y. T. Chu; Eric Chun-Pu Chu. *Journal of Contemporary Chiropractic*. 2023;6(1):72–78. Review/discussion article. 2

4. Discusses chatbot applications in chiropractic practice. **Match:** chiropractic is in the title, and artificial intelligence/AI appears in the full text and ICL abstract. ICL also displays the author keyword "AI Clinic"; this does not establish that both requested terms are formal author keywords. DOI and PMID were not verified. Open publisher article.

5. **Identifying Patient-Reported Outcome Measure Documentation in Veterans Health Administration Chiropractic Clinic Notes: Natural Language Processing Analysis** — B. C. Coleman et al. *JMIR Medical Informatics*. 2025. Research article. DOI: **10.2196/66466**. PMID: **40173367**. 3

6. Uses natural-language processing and machine learning to identify patient-reported outcome documentation in chiropractic clinic notes. **Match:** chiropractic appears in the title/abstract; Europe PMC keyword metadata includes "Artificial intelligence," "AI," and "Chiropractic." Open full text.

7. **Implications for Access to Chiropractic Services in the Workers' Compensation System: A State-by-State Coverage Policy Comparison** — M. Young. *Journal of Integrative and Complementary Medicine*. 2026, ahead of print. Journal article. DOI: **10.1177/27683605261469674**. PMID: **42444159**. 4

8. Compares state workers' compensation coverage of chiropractic services. **Match:** the abstract contains chiropractic and reports using artificial-intelligence tools and search engines to access coverage policies. AI is a research-search tool here, not a treatment. Open indexed record.

9. **Estimating Lumbar Spine Foraminal Disc Measurements Using Ultrasound and X-Ray Imaging Through Advanced Image Annotation, Processing, and Mathematical Modeling During Chiropractic Traction Procedures: A Feasibility Study** — C. Bhagi et al. *Bioengineering*. 2026;13(3):330. Research/feasibility article. DOI: **10.3390/bioengineering13030330**. PMID: **41899861**. 5

10. Examines lumbar-spine measurements during chiropractic traction. **Match:** chiropractic appears in the title/abstract; full text reports generative artificial intelligence used only for post-analysis interpretation. Europe PMC keyword metadata also includes generative artificial intelligence. Open full text.

11. **Determination of Candidate Predictors for Chiropractic Treatment Outcome of Spinal Pain Using a Machine Learning Framework for Small Datasets** — M. L. Meier et al. *Pain Management*. 2026, ahead of print. Exploratory prediction study. DOI: **10.1080/17581869.2026.2718881**. PMID: **42741889**. 6

12. Explores predictors of recovery after chiropractic treatment using questionnaire data. **Match:** chiropractic appears in the title/abstract, and the publisher abstract explicitly describes using artificial intelligence to search the data for patterns. Open publisher record.

13. **Preliminary Accuracy, Inter- and Intra-Rater Reliability of a 4-Point Cervical Artery Dissection Diagnostic Decision Support Tool in an Ambulatory Setting Using Real and Simulated Cases: A Quality Improvement Project** — T. H. Snodgrass et al. *Chiropractic & Manual Therapies*. 2026. Quality-improvement article. DOI: **10.1186/s12998-026-00679-3**. PMID: **42859145**. 7

14. Evaluates a cervical-artery-dissection decision-support tool applied by chiropractors. **Match:** the abstract contains the variant "chiropractors" and "generative artificial intelligence"; chiropractic also appears in the journal name. AI was used to develop simulated negative cases. This entry is included through the chiropractor search variant, rather than a verified exact "chiropractic" abstract match. Open indexed record.

15. **The Effect of the EMBODI Remote Therapeutic Monitoring Platform on Patient Adherence to and Revenue Generated by Chiropractic and Physical Rehabilitation** — R. Topp; J. Greenstein; J. Etnoyer-Slaski. *Journal of Contemporary Chiropractic*. 2026. Retrospective/quasi-experimental clinical-record analysis. 8

16. Evaluates a remote therapeutic-monitoring app in chiropractic and physical rehabilitation care. **Match:** chiropractic is in the title, and the ICL abstract says the app incorporated AI. DOI and PMID were not verified. Open publisher article.

Additional journal articles that match the search terms

These three articles also meet the broad term-search criterion. They are separated because chiropractic is a recruitment, indexing, or literature-search context rather than the central AI application—not because they fail the keyword search.

17. **The Effectiveness of Spinal Manipulative Therapy in Treating Spinal Pain Does Not Depend on the Application Procedures: A Systematic Review and Network Meta-analysis** — C. Nim et al. *Journal of Orthopaedic and Sports Physical Therapy*. 2025. Systematic review/network meta-analysis. DOI: **10.2519/jospt.2025.12707**. PMID: **39869665**. **Match:** the abstract mentions the "Index to Chiropractic Literature" and reports using artificial intelligence to identify potentially relevant articles. AI assisted evidence retrieval. Open indexed record.

18. **Physical Clinical Care and Artificial-Intelligence-Guided Core Resistance Training Improve Endurance and Patient-Reported Outcomes in Subjects With Lower Back Pain** — N. A. Bates et al. *Clinical Biomechanics*. 2023. Randomized controlled trial. DOI: **10.1016/j.clinbiomech.2023.105902**. PMID: **36805199**. **Match:** artificial intelligence appears in the title/abstract; Europe PMC keyword metadata includes "Chiropractic." The study evaluates AI-guided resistance training alongside clinical care. Open indexed record.

19. **A Digital Decision Support System (selfBACK) for Improved Self-Management of Low Back Pain: A Pilot Study With 6-Week Follow-Up** — L. F. Sandal et al. *Pilot and Feasibility Studies*. 2020. Pilot feasibility study. DOI: **10.1186/s40814-020-00604-2**. PMID: **32489674**. **Match:** the abstract describes recruitment through physiotherapy, chiropractic, or general practice, and Europe PMC keyword metadata includes "Artificial intelligence." The intervention is a broader low-back-pain self-management system. Open full text.

Published conference-proceedings paper

20. **AI-Powered Virtual Patient for Chiropractic Training—An MR and NLP Based Approach** — Yemina Imam; Imran Khan Niazi; Kelly Holt; Katie Marten; Heidi Haavik. *2025 47th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*. 2025. Published conference-proceedings paper, not a conventional journal article. DOI: **10.1109/EMBC58623.2025.11252775**. PMID: **41336657**. Presents an AI/NLP virtual patient for training chiropractic interns in history-taking and patient interaction. **Match:** "AI-Powered" and "Chiropractic" both appear in the title; the abstract also describes an AI-based patient focused on chiropractic education. Open indexed record.

Related machine-learning paper: requested AI wording not verified

Spectral Clustering Identifies Patterns of Chiropractic Care in a National Longitudinal Cohort — Monika Ray; Shao-You Fang; Anthony J. Lisi; Patrick S. Romano. *JAMIA Open*. 2026;9(3):ooag035. Original research. DOI: **10.1093/jamiaopen/ooag035**. PMID: **42146754**. 13

The title/abstract describe chiropractic care and machine-learning methods, but the exact wording "AI" or "artificial intelligence" was not verified there. It is therefore **excluded from the 12 matching records**. Open publisher record.