List of Excluded Studies with Reasons

A. Not specific to dentistry / AI in dentistry (General AI, healthcare, sociology, policy, ethics, management, non-dental reviews)

Excluded because the study does not evaluate AI applications in dentistry nor dental diagnosis/treatment.

1. Boyd & Holton 2018 – Robotics/AI societal effects
2. Dwivedi et al. 2021 – Multidisciplinary AI overview
3. Al Kuwaiti et al. 2023 – AI in general healthcare
4. Loftus et al. 2020 – AI in surgical decision-making (general surgery)
5. Wolfaardt et al. 2024 – Digital technology & maxillofacial prosthodontics (discussion, not AI-specific)
6. Asghari et al. 2025 – Ozone therapy (not AI)
7. Chen et al. 2021 – Oral health policy (no AI)
8. Rezaeianjam et al. 2025 – Ozone therapy (not AI)
9. Joda et al. 2020 – Digital dentistry trends (not AI-focused)
10. Khabazian et al. 2025 – Saliva/anxiety in MS patients (not AI)
11. Page et al. 2021 – PRISMA guidelines
12. Jafari et al. 2023 – Garlic therapy (not dental/AI)
13. Mohsin et al. 2023 – AI in congenital heart disease (not dental)
14. Bayatra et al. 2024 – Digital adherence system (not dental)
15. Campion et al. 2022 – AI in public sector (not dental)
16. Makarius et al. 2020 – AI in organizations (not dental)
17. Li 2024 – Ethics of AI (not dental)
18. Batra & Dave 2024 – AI in healthcare platforms (not dental)
19. Lastrucci et al. 2024 – Augmented reality in diagnostic imaging (not dental-specific)
20. Dogheim & Hussain 2023 – AI remote monitoring in preventive medicine (not dental)

B. Dental field–related but NOT artificial intelligence

(Contains dental topics but no AI application.)

1. Lahoud et al. 2022 – Precision medicine modeling (not AI-based)
2. Asghari et al. 2025 – Ozone therapy (no AI)
3. Rezaeianjam et al. 2025 – Ozone therapy
4. Khabazian et al. 2025 – Saliva NO levels study (no AI)

C. AI mentioned, but primary focus not on dentistry

1. Campion et al. 2022 – Public sector AI adoption
2. Makarius et al. 2020 – Organizational AI integration
3. Li 2024 – AI ethics (not dental)

D. Not reviews (primary research, opinion pieces, discussion documents), thus not aligned with the review criteria

*Assuming your inclusion criteria allowed **only reviews**, as seen from included studies.*

1. Anil et al. 2023 – Caries diagnosis AI paper (not a review)
2. Fontenele & Jacobs 2024 – Endodontics opinion/discussion (not systematic/narrative review)
3. Kühnisch et al. 2022 – Experimental AI model paper (primary research)
4. Thorat et al. 2024 – Patient education in dentistry (not a review)

E. Duplicate or already represented topics by included studies

(Some reviews cover identical content and appear to duplicate included studies.)

4. Musleh et al. 2024 – Review of AI in dental diagnostics (duplicate topic with included Studies 1,2,3,4)
5. Nambiar et al. 2024 – Deep learning in dentistry (overlaps with included reviews)
6. Salazar et al. 2024 – AI in orthognathic surgery (too specialized; review covers full dentistry cycle)
7. Sikri et al. 2024 – Narrative review on AI in dentistry (redundant with included narrative reviews)
8. Batra & Reche 2023 – General AI overview (high-level, already covered)
9. Carrillo-Perez et al. 2022 – **Duplicate of included Study 5**
10. Shafi et al. 2023 – **Already included as Study 8**
11. Revilla-Leon et al. 2023 – **Already included as Study 9**
12. Bonny et al. 2023 – **Already included as Study 10**
13. Asgary 2024 – **Already included as Study 11**
14. Dashti et al. 2023 – **Already included as Study 12**

F. Too specialized or outside scope (narrow subspecialty not aligned with "overview from diagnosis to surgery")

These are dental-AI studies, but extremely narrow, not fitting a broad overview.

31. Anil et al. 2023 – Caries diagnosis only
32. Almatrafi et al. 2024 – AI in restorative dentistry only
33. Dixit et al. 2023 – AI in oral cancer only
34. Tahir et al. 2024 – AI in orthodontics only
35. Kazimierczak et al. 2024 – Orthodontics-specific review
36. Albano et al. 2024 – Caries detection only (radiographic)

G. Methodological mismatch (Not a literature review or lacks systematic/narrative approach)

1. Adnan et al. 2023 – "Systematic analysis" but lacks review methodology
2. Rahmasari et al. 2024 – Hospital administrative efficiency (not dental AI)