

1 **Resolution Number:** 402-2024

2

3 **Title:** Ethical Use of AI in Dental Settings

4

5 **Reference Committee Assignment:** Professional Issues

6

7 **Sponsor(s):** Sina Shahrood, Advocacy Committee Member, MWU-AZ

8

9 **Financial Impact:** *None*

10

11 **Board of Trustees Comments:** The Board recommends a yes vote.

12

13 **Reference Committee Comments:** Based on testimony shared, the Reference Committee
14 believes most delegates are in favor of the ethical use of artificial intelligence. Questions were
15 raised on whether ethical guidelines already exist. Because the resolution advocates for the
16 development and implementation of ethical guidelines, the Reference Committee does not
17 believe any further action is necessary at this time. The Reference Committee recommends a
18 yes vote.

19

20 **Background:** In recent years, the integration of Artificial Intelligence (AI) into healthcare
21 settings, including dental practices, has become increasingly prevalent, holding promise for
22 improved diagnostics and patient care (AMA, 2018). However, the ethical implications of AI use
23 in healthcare, including dentistry, require careful consideration to prevent bias, ensure privacy,
24 and promote transparency (WHO, 2021). Recognizing the potential benefits and challenges
25 associated with AI in dental settings, the American Student Dental Association (ASDA)
26 acknowledges the importance of establishing guidelines for the ethical use of AI.

27

28 The necessity for such guidelines became evident as AI technologies gained traction in dental
29 education and practice. ASDA is committed to promoting ethical standards within the dental
30 profession, as outlined in the Principles of Ethics and Code of Professional Conduct by the
31 American Dental Association (ADA, 2021). This resolution aims to address the emerging ethical
32 considerations related to AI in dentistry and underscore ASDA's dedication to supporting
33 responsible AI practices among dental students. This resolution seeks to position ASDA as a
34 proponent of responsible and ethical AI use in dentistry, contributing to the establishment of
35 guidelines that prioritize patient welfare, uphold professional standards, and foster innovation
36 within the dental profession.

37

38 **RESOLUTION**

39

40 **Resolved,** that ASDA officially supports the ethical use of Artificial Intelligence in dental settings
41 and encourages its members to engage in responsible AI practices.

42

43 Further resolved, that ASDA shall:

44

45 Advocate for the development and implementation of ethical guidelines by the ADA Council on
46 Ethics, Bylaws and Judicial Affairs in collaboration with ASDA for the use of AI in dental
47 education and practice, emphasizing transparency, fairness, and patient privacy.

48

49 **Action:** The Chair moves 402-2024 with a recommendation of yes vote.

50

51

52

53

54 Sources:

55

56 American Dental Association (ADA). (2021). Principles of Ethics and Code of Professional
57 Conduct. Retrieved from [https://www.ada.org/en/about-ada/principles-of-ethics-code-of-](https://www.ada.org/en/about-ada/principles-of-ethics-code-of-professional-conduct)
58 [professional-conduct](https://www.ada.org/en/about-ada/principles-of-ethics-code-of-professional-conduct)

59

60 World Health Organization (WHO). (2021). Ethics and Governance of Artificial Intelligence for
61 Health. Retrieved from <https://www.who.int/ethics/topics/artificial-intelligence/en/>

62

63 American Medical Association (AMA). (2018). Artificial Intelligence in Health Care. Retrieved
64 from <https://www.ama-assn.org/system/files/2019-01/ai-2018annual-report.pdf>