

AI IN HEALTHCARE

ACADEMIA

- Kotsenas, A.L., Balthazar, P., Andrews, D., Geis, J.R., Cook, T.S. (2021). Rethinking Patient Consent in the Era of Artificial Intelligence and Big Data. Feature opinion, Volume 18, issue 1, p180-184. DOI: <https://doi.org/10.1016/j.jacr.2020.09.022>

Keywords: AI, consent, electronic data, health care policy, safety

- Gupta, P.K., Prasanna, D.V., Raghunath, S.S. (2021). How Artificial Intelligence Can Undermine Security: An Overview of the Intellectual Property Rights and Legal Problems Involved. In: Kumar, R., Paiva, S. (eds). *Applications in Ubiquitous Computing*. EAI/Springer Innovations in Communication and Computing. Springer, Cham. https://doi.org/10.1007/978-3-030-35280-6_3

Keywords: Artificial neural network, deep learning, political and digital security, confidentiality, integrity and availability CIA (Cloud architecture integrated medical device), remote user authentication, threat solutions

- De Nigris, S. et.al. (2020). AI uptake in health and Healthcare. *JRC AI Watch Technical Report*. DOI: [10.2760/948860](https://doi.org/10.2760/948860)

Keywords: Analysis by health topic, big data, data governance, image analysis, social medicine

- Gerke, S., Minssen, T., Cohen, G. (2020). Chapter 12 - Ethical and legal challenges of artificial intelligence-driven healthcare. Editor(s): Adam Bohr, Kaveh Memarzadeh. *Artificial Intelligence in Healthcare*. Academic Press. DOI: <https://doi.org/10.1016/B978-0-12-818438-7.00012-5>.

Keywords: Artificial intelligence (AI), ethical challenges, US and EU law, safety and effectiveness, data protection and privacy

- Jaremko, J.L., Azar, M., Bromwich, R. et al. (2019). Canadian Association of Radiologists white paper on ethical and legal issues related to artificial intelligence in radiology. *Canadian Association of Radiologists (CAR) Artificial Intelligence Working Group*, 107-118. DOI: <https://doi.org/10.1016/j.carj.2019.03.001>

Keywords: Artificial intelligence, machine learning, ethics, imaging, legal, radiology

- Stoller, D.R. (2019). [Google, University of Chicago face revamped health privacy suit](#). *Bloomberg Law*. October 3.

Keywords: Artificial intelligence products, Google, health laws, medical privacy, patient data

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Keywords: Artificial intelligence, Big data, ethics, informatics, machine learning

- Jason, Ch., Zink, A. (2018). Hey Watson – Can I Sue You for Malpractice? Examining the Liability of Artificial Intelligence in Medicine. *Asia Pacific Journal of Health Law & Ethics*, Vol. 11, Issue 2, pp. 51- 80.

Keywords: Artificial Intelligence, expert System, liability, medical malpractice, Watson

- Mamoshina, P. et al. (2017). Converging blockchain and next-generation artificial intelligence technologies to decentralize and accelerate biomedical research and healthcare. *Oncotarget* 9(5), 5665. DOI: [10.18632/oncotarget.22345](https://doi.org/10.18632/oncotarget.22345)

Keywords: Artificial intelligence, deep learning, data management, blockchain, digital health

- Price II, W. N. (2017). [Artificial Intelligence in Health Care: Applications and Legal Implications](#). *The SciTech Lawyer*, Vol. 14, Issue 1, pp. 10-13.

Keywords: AI, algorithms, efficiency, healthcare system, privacy regulation