Research papers

1.. Personalized Diabetes Management with Digital Twins: A Patient-Centric Knowledge Graph Approach

Authors: Fatemeh Sarani Rad, Rasha Hendawi, Xinyi Yang, Juan Li

<https://pmc.ncbi.nlm.nih.gov/articles/PMC11051158/>

2. A Framework Towards Digital Twins for Type 2 Diabetes

Authors: Yue Zhang, Guangrong Qin, Boris Aguilar, Noa Rappaport, James T. Yurkovich, Lance Pflieger, Sui Huang, Leroy Hood, Ilya Shmulevich

<https://www.frontiersin.org/journals/digital-health/articles/10.3389/fdgth.2024.1336050/full>

3. The Potential of the Medical Digital Twin in Diabetes Management: A Review

Authors: Yanting Chu, Shanhong Li, Jie Tang, Huiqun Wu

<https://www.frontiersin.org/journals/medicine/articles/10.3389/fmed.2023.1178912/full>

4. One-Year Outcomes of a Digital Twin Intervention for Type 2 Diabetes: A Retrospective Real-World Study

Authors: Paramesh Shamanna, Ravi Sankar Erukulapati, Ashutosh Shukla, Lisa Shah, Bree Willis, Mohamed Thajudeen, Rajiv Kovil, Rahul Baxi, Mohsin Wali, Suresh Damodharan, Shashank Joshi

<https://www.nature.com/articles/s41598-024-76584-7>

5. A Digital Twin Framework for Real-Time Healthcare Monitoring: Leveraging AI and Secure Systems for Enhanced Patient Outcomes

Authors: Ahmed K. Jameil and Hamed Al-Raweshidy

<https://link.springer.com/article/10.1007/s43926-025-00135-3>

6. Human Digital Twin for Personalized Elderly Type 2 Diabetes Management

Authors: Padmapritha Thamotharan, Seshadhri Srinivasan, Jothydev Kesavadev, Gopika Krishnan, Viswanathan Mohan, Subathra Seshadhri, Korkut Bekiroglu, Chiara Toffanin

<https://www.mdpi.com/2077-0383/12/6/2094>

7. Digital Twin Technology Has Potential to Redefine Patient Care

Authors: John Halamka, M.D., and Paul Cerrato, M.A.

<https://www.mayoclinicplatform.org/2024/12/23/digital-twin-technology-has-potential-to-redefine-patient-care/>

8. Digital Twin for Diabetes Management Using System Dynamics Simulation – The Case of India

Authors: Siddharth Jain, Rameshwar Dubey, Sanjay Kumar

<https://www.sciencedirect.com/science/article/pii/S1877050925009445>

9. Digital Twin for Diabetes Management Using System Dynamics Simulation – The Case of India

Authors: Vinaytosh Mishra, Saroj Koul, Ivan W. Taylor

<https://www.researchgate.net/publication/388913034_Digital_Twin_for_Diabetes_Management_Using_System_Dynamics_Simulation_-_The_Case_of_India>

10. Digital Twins in Type 1 Diabetes: A Systematic Review

Authors: Giacomo Cappon, PhD, and Andrea Facchinetti, PhD

<https://journals.sagepub.com/doi/full/10.1177/19322968241262112>