PICO Question::

In Type 1 diabetics aged 45-64, what is the effects of using continuous glucose monitoring compared to self-monitored finger stick glucose monitoring, in reducing hypoglycemia?

Article 1

Heinemann L, Freckmann G, Ehrmann D, Faber-Heinemann G, Guerra S, Waldenmaier D, Hermanns N. Real-time continuous glucose monitoring in adults with type 1 diabetes and impaired hypoglycaemia awareness or severe hypoglycaemia treated with multiple daily insulin injections (HypoDE): a multicentre, randomised controlled trial. Lancet. 2018 Apr 7;391(10128):1367-1377. doi: 10.1016/S0140-6736(18)30297-6. Epub 2018 Feb 16. PMID: 29459019.

* DOI: [10.1016/S0140-6736(18)30297-6](https://doi.org/10.1016/s0140-6736(18)30297-6)

Article 2

Pratley RE, Kanapka LG, Rickels MR, Ahmann A, Aleppo G, Beck R, Bhargava A, Bode BW, Carlson A, Chaytor NS, Fox DS, Goland R, Hirsch IB, Kruger D, Kudva YC, Levy C, McGill JB, Peters A, Philipson L, Philis-Tsimikas A, Pop-Busui R, Shah VN, Thompson M, Vendrame F, Verdejo A, Weinstock RS, Young L, Miller KM; Wireless Innovation for Seniors With Diabetes Mellitus (WISDM) Study Group. Effect of Continuous Glucose Monitoring on Hypoglycemia in Older Adults With Type 1 Diabetes: A Randomized Clinical Trial. JAMA. 2020 Jun 16;323(23):2397-2406. doi: 10.1001/jama.2020.6928. PMID: 32543682; PMCID: PMC7298607.

* DOI: [10.1001/jama.2020.6928](https://doi.org/10.1001/jama.2020.6928)

Article 3

Hermanns, N., Ehrmann, D., Heinemann, L., Freckmann, G., Waldenmaier, D., & Calhoun, P. (2022). Real-Time Continuous Glucose Monitoring Can Predict Severe Hypoglycemia in People with Type 1 Diabetes: Combined Analysis of the HypoDE and DIAMOND Trials. *Diabetes Technology & Therapeutics*, *24*(9), 603–610. <https://doi-org.ezp.twu.edu/10.1089/dia.2022.0130>

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