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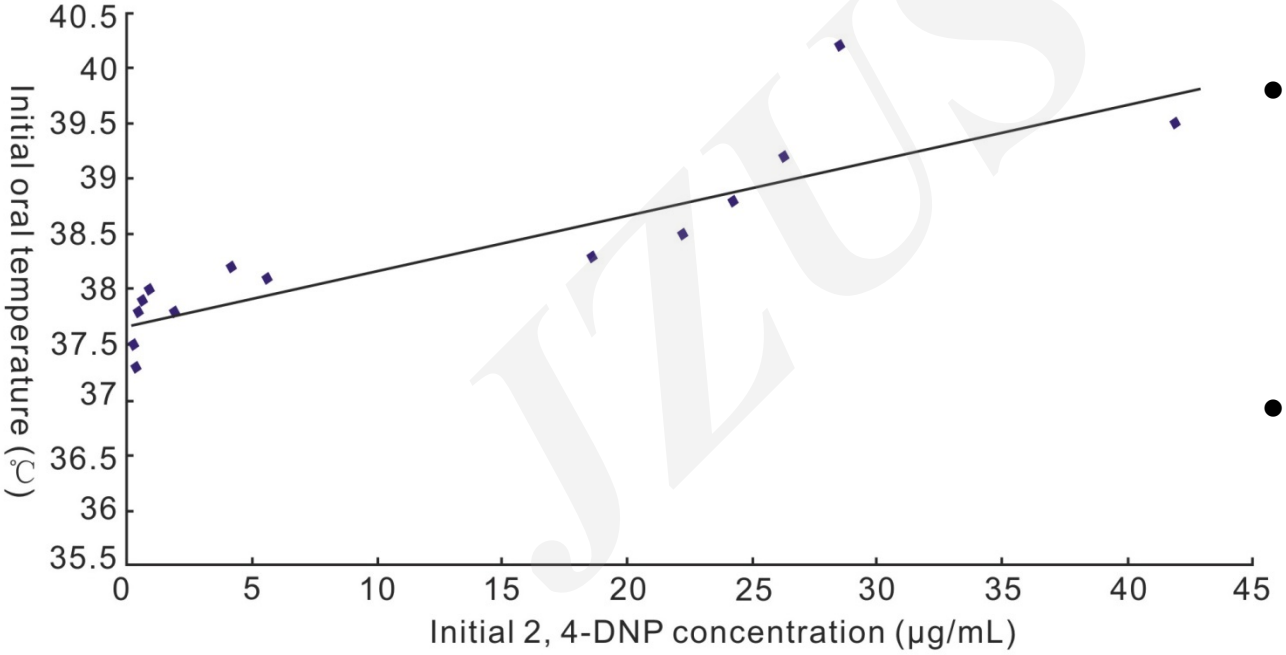
Evaluation of efficacy of resin hemoperfusion in patients with acute 2,4-dinitrophenol poisoning by dynamic monitoring of plasma toxin concentration

Key words: 2,4-Dinitrophenol, Poisoning, Hemoperfusion, Pharmacokinetics, Therapeutics

Research Summary

This article mainly investigated the dynamic changes of plasma toxin concentration and explore the clinical value of resin hemoperfusion (HP) in the treatment of patients with acute 2,4-dinitrophenol (2,4-DNP) poisoning.



- **Total clearance rates of plasma toxin from the 1st to 3rd day (R3), the 3rd to 7th day (R3-7), and the 1st to 7th day (R7)**
- **Elimination half-life (t1/2) of 2, 4-DNP**

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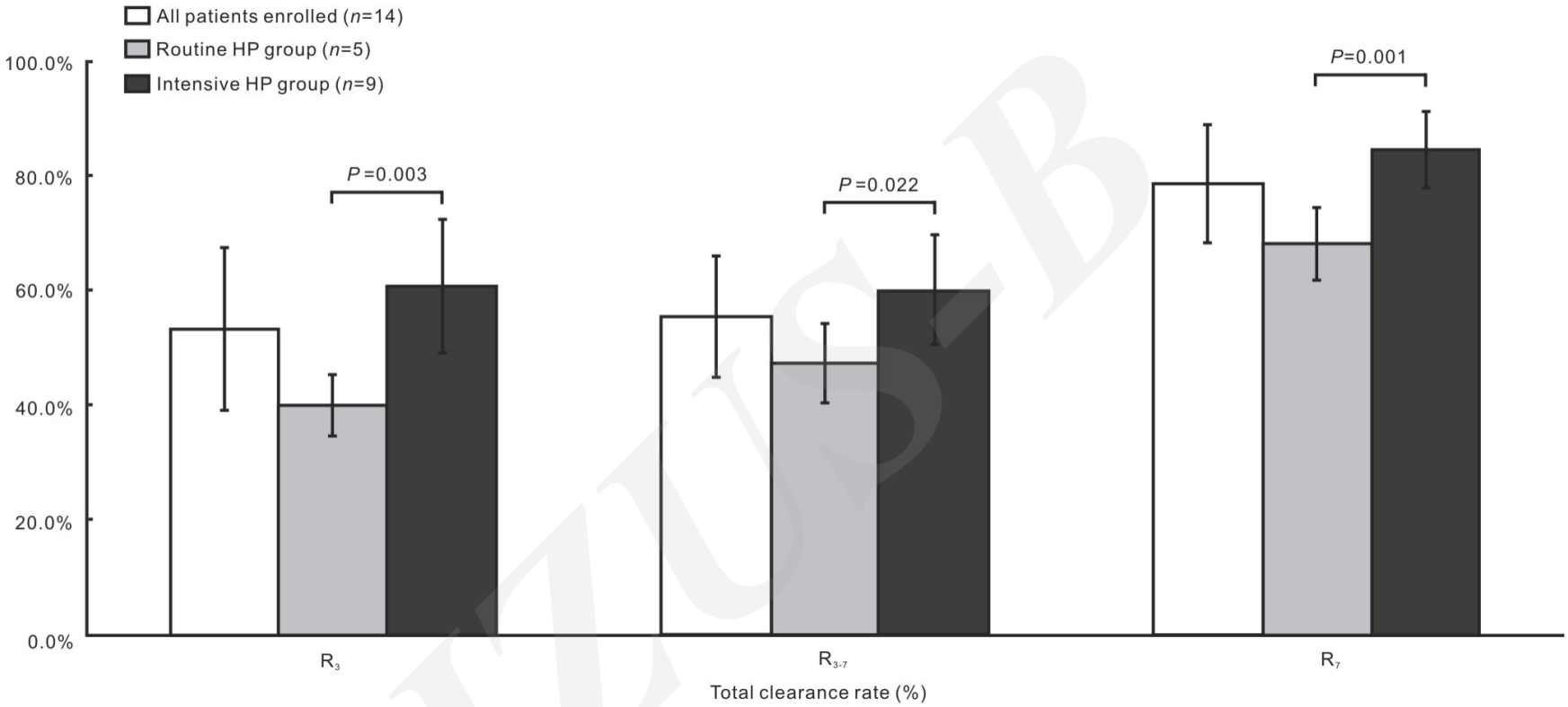
Research Summary



- The elimination of 2,4-DNP was slow and persistent.
- According to the data, longer and more frequent resin HP may accelerate to eliminate the 2,4-DNP.

Innovation points

- **The report provides a helpful addition to the limited modern literature on this topic, of recent relevance due to increasing availability via the Internet and use of DNP as a weight loss agent.**
- **Although the study has several limitations, this article may provide some beneficial help in clinical treatment.**

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