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Title: Parenteral iron therapy in children with iron deficiency anemia

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Reviewer’s code: 05429395

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Assistant Professor, Physiotherapist

Reviewer’s Country/Territory: China

Author’s Country/Territory: Czech Republic

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Reviewer chosen by: Jia-Ru Fan

Reviewer accepted review: 2024-01-16 10:32

Reviewer performed review: 2024-01-17 15:28

Review time: 1 Day and 4 Hours

<table>
<thead>
<tr>
<th>Scientific quality</th>
<th>Grade A: Excellent</th>
<th>Grade B: Very good</th>
<th>Grade C: Good</th>
<th>Grade D: Fair</th>
<th>Grade E: Do not publish</th>
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<tr>
<td>Novelty of this manuscript</td>
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<td>Grade B: Good</td>
<td>Grade C: Fair</td>
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<td>Creativity or innovation of this manuscript</td>
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<td>Grade C: Fair</td>
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SPECIFIC COMMENTS TO AUTHORS
The authors did a brief report about parenteral iron administration which was not widespread used nowadays. But as the new generation intravenous iron products were approved for pediatric patients, several reports have documented the safety and efficacy of parenteral iron. However, there are still some problems clinicians concern, which the authors need to address in the manuscript: 1. The authors should compare the bioavailability between oral iron products and intravenous iron products 2. Higher cost and limited medical resources actually are the main factors limiting the use of intravenous iron products. The authors should provide more data about pharmacoeconomics. 3. On the risk of iron overload, and the potential proinflammatory effect, are there any index for clinicians to monitor those side effects?