Reviewer's report

Title: Coagulopathy in Newborns with Hypoxic Ischemic Encephalopathy (HIE) Treated with Therapeutic Hypothermia: A Retrospective Case - Control Study

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Reviewer: Robert DiGeronimo

Reviewer's report:

Overall, this article is well written and addresses an important topic for providers that care for neonates with suspected HIE treated with therapeutic hypothermia. While the article does have some limitations due to its single center experience and retrospective nature, the authors have adequately addressed this concern in the discussion.

1. Major Revisions: none

2. Minor: none

3. Discretionary:

Given the high rate of reported bleeding complications compared to the existing literature, think it would be of interest to provide more details on the nature and/or severity of the bleeding for those babies in the bleeding group (if available). Did any of these patients have significant clinical sequelae related to their bleeding events, i.e., require surgery for an abdominal bleed, increased respiratory support secondary to pulmonary hemorrhage, seizures following intracranial hemorrhage or subsequent need for neurosurgical intervention, etc.

Also, it is not completely clear why the non-bleeding group of babies were transfused? Some comment on this in the discussion, i.e., NBG patients were transfused based on the discretion of the providers, would be helpful.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

No competing interests