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### Scientific and Technological Research

## Impact of hypothermia during craniosynostosis repair surgery<sup>☆</sup>



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### ABSTRACT

**Introduction:** Hypothermia is recognized as a risk factor for perioperative complications in paediatric patients. High surgical risk procedures serve as a model of exposure to that risk factor. In particular, surgical correction of craniosynostosis serves as a model for measuring the impact of hypothermia.

**Objective:** To assess hypothermia-related morbidity and mortality in paediatric patients taken to craniosynostosis correction.

**Methodology:** Historical cohort study of patients taken to craniosynostosis correction and exposed to hypothermia.

**Results:** With prior approval of the Ethics Committee of the institution, 54 records were included in the analysis. No statistically significant differences were found between hypothermia and its impact in terms of morbidity and mortality (death, major bleeding, massive haemorrhage massive transfusion, disseminated intravascular coagulation, need for vasopressor support, mechanical ventilation time and length of stay, including admission

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