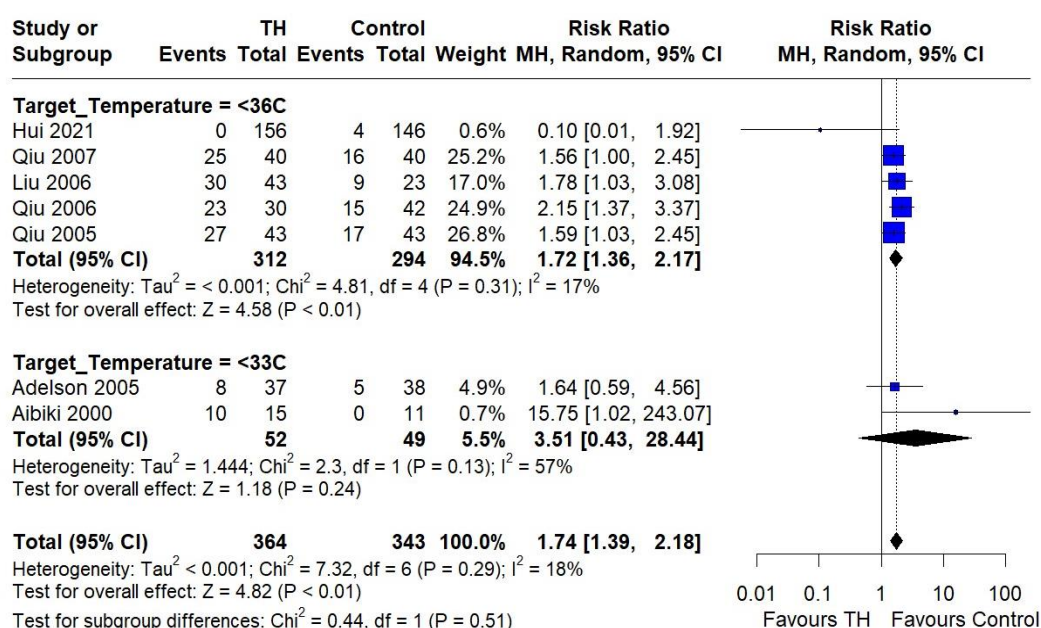


Supplementary material

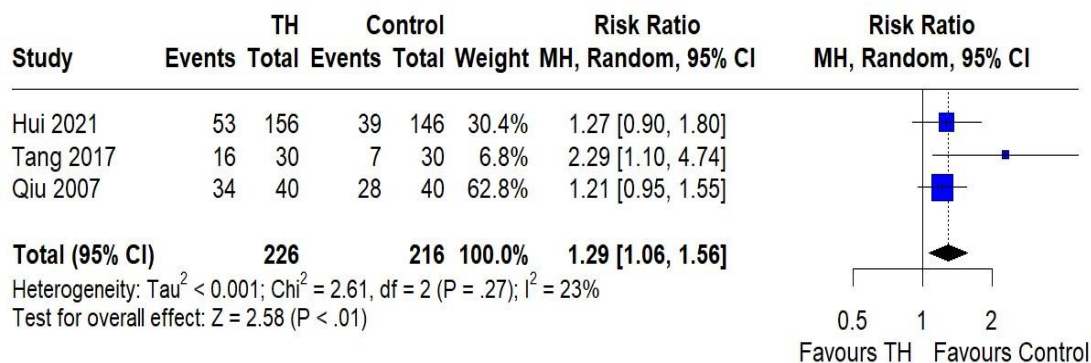
1. Study Selection Criteria

Inclusion criteria	Exclusion criteria
<ul style="list-style-type: none"> Studies involving patients with traumatic brain injury, ischemic stroke, or acute-phase treatment following cerebral hemorrhage Studies that performed therapeutic hypothermia (using surface cooling or intravascular cooling) Studies with a comparison group receiving conventional treatment or maintaining normothermia (normal body temperature) Studies reporting at least one predefined medical outcome Limited to RCTs 	<ul style="list-style-type: none"> Studies applying therapeutic hypothermia within 2.5 hours post-injury, maintained for 48 hours, or using perioperative prophylactic hypothermia Studies using partial cooling methods alone Studies performing hypothermia through cold saline infusion or lavage techniques Studies involving patients with baseline hypothermia ($<36^{\circ}\text{C}$) Studies where clear outcome extraction is not possible Laboratory or animal studies (in vitro or animal studies) Non-original studies (e.g., reviews, editorials, letters, opinion pieces) Case reports or case series

2. Forest Plot of Coagulopathy Incidence by Target Temperature in TBI Patient Group



3. Forest Plot of Electrolyte Imbalance Incidence in TBI Patient Group



4. Forest Plot of Long-term Neurological Outcomes (GOS, GOSE) by Target Temperature in TBI Patient Group

