

**Supplementary Table 2.** List of excluded literature and respective reasons based on assessment of full-text articles for eligibility

No.	Title of literature	Reason
1	Abdullah JM, Husin A. Intravascular hypothermia for acute hemorrhagic stroke: a pilot study. <i>Acta Neurochir Suppl.</i> 2011;111:421-4. doi:10.1007/978-3-7091-0693-8_72	1
2	Abudeev SA, Popugaev KA, Kruglyakov NM, et al. [HYPOTHERMIA INFLUENCES ON OXYGEN TENSION IN THE BRAIN PARENCHYMA IN PATIENTS WITH ANEURYSMAL SUBARACHNOID HEMORRHAGE]. <i>Anesteziol Reanimatol.</i> Mar-Apr 2016;61(2):155-8.	3
3	Ahn SH, Ko SB. Targeted temperature management in brain edema. Article. <i>Journal of the Korean Medical Association.</i> 2023;66(5):308-313. doi:10.5124/jkma.2023.66.5.308	5
4	Badjatia N, O'Donnell J, Baker JR, et al. Achieving normothermia in patients with febrile subarachnoid hemorrhage: feasibility and safety of a novel intravascular cooling catheter. <i>Neurocrit Care.</i> 2004;1(2):145-56. doi:10.1385/ncc:1:2:145	6
5	Beaulieu C, Kurczewski L. Characterization of the Effect of Prolonged Therapeutic Hypothermia on Serum Magnesium and Potassium Following Neurological Injury. <i>Ther Hypothermia Temp Manag.</i> Dec 2019;9(4):231-237. doi:10.1089/ther.2018.0037	2
6	Bele S, Scheitzach J, Hochreiter A, Kieninger M, Brawanski A. Continuous intravenous cooling as an additional treatment option for patients with severe cerebral vasospasm after subarachnoid hemorrhage. Conference Abstract. <i>Neurocritical Care.</i> 2015;23(1):S203. doi:10.1007/s12028-015-0193-y	3
7	Broessner G, Beer R, Lackner P, et al. Prophylactic, endovascularly based, long-term normothermia in ICU patients with severe cerebrovascular disease: bicenter prospective, randomized trial. <i>Stroke.</i> Dec 2009;40(12):e657-65. doi:10.1161/strokeaha.109.557652	6
8	Broessner G, Lackner P, Fischer M, et al. Influence of prophylactic, endovascularly based normothermia on inflammation in patients with severe cerebrovascular disease: a prospective, randomized trial. <i>Stroke.</i> Dec 2010;41(12):2969-72. doi:10.1161/strokeaha.110.591933	6
9	ChiCtr. Timing selection of mild hypothermia under brain temperature monitoring in patients with high-grade aneurysmal subarachnoid hemorrhage and its effect on prognosis. Trial registry record. <a href="https://trialsearchwhooint/Trial2.aspx?TrialID=ChiCTR2200057948">https://trialsearchwhooint/Trial2.aspx?TrialID=ChiCTR2200057948</a> . 2022;	7
10	Dai H, Zhou Y, Lu Y, et al. Decreased Expression of CIRP Induced by Therapeutic Hypothermia Correlates with Reduced Early Brain Injury after Subarachnoid Hemorrhage. <i>J Clin Med.</i> Jun 14 2022;11(12)doi:10.3390/jcm11123411	8
11	Diringer MN. Treatment of fever in the neurologic intensive care unit with a catheter-based heat exchange system. Journal article. <i>Critical care medicine.</i> 2004;32(2):559-564. doi:10.1097/01.CCM.0000108868.97433.3F	6
12	Dohi K, Jimbo H, Ikeda Y, et al. Pharmacological brain cooling with indomethacin in acute hemorrhagic stroke: antiinflammatory cytokines and antioxidative effects. <i>Acta Neurochir Suppl.</i> 2006;96:57-60. doi:10.1007/3-211-30714-1_14	6
13	Drake CG, Barr HW, Coles JC, Gergely NF. THE USE OF EXTRACORPOREAL CIRCULATION AND PROFOUND HYPOTHERMIA IN THE TREATMENT OF RUPTURED INTRACRANIAL ANEURYSM. <i>J Neurosurg.</i> Jul 1964;21:575-81. doi:10.3171/jns.1964.21.7.0575	3
14	Eguchi T. Our treatment strategy for poor-grade subarachnoid hemorrhage patients with Hunt & Kosnik grade IV, V. Article. <i>Japanese Journal of Neurosurgery.</i> 2002;11(3):202-210. doi:10.7887/jjns.11.202	3
15	Fischer M, Dietmann A, Lackner P, et al. Endovascular cooling and endothelial activation in hemorrhagic stroke patients. <i>Neurocrit Care.</i> Oct 2012;17(2):224-30. doi:10.1007/s12028-011-9521-z	6
16	Gasser S, Khan N, Yonekawa Y, Imhof HG, Keller E. Long-term hypothermia in patients with severe brain edema after poor-grade subarachnoid hemorrhage: feasibility and intensive care complications. <i>J Neurosurg Anesthesiol.</i> Jul 2003;15(3):240-8. doi:10.1097/00008506-200307000-00012	3
17	Hadeishi H, Suzuki A, Yasui N, Moroi J, Otsuka T, Ushikubo O. Poor-grade subarachnoid hemorrhage: Pathogenesis and mild hypothermia. Conference Paper. <i>Japanese Journal of Neurosurgery.</i> 2003;12(3):185-190. doi:10.7887/jjns.12.185	3
18	Han MK, Kim SB, Jeong HG, et al. Changes in neutrophil-to-lymphocyte ratios in aneurysmal subarachnoid hemorrhage patients treated with targeted temperature management. Conference Abstract. <i>Neurocritical Care.</i> 2019;31(1):S275. doi:10.1007/s12028-019-00857-7	9
19	Himmelseher S, Werner C. [Therapeutic hypothermia after traumatic brain injury or subarachnoid hemorrhage. Current practices of German anaesthesia departments in intensive care]. <i>Anaesthesist.</i> Dec 2004;53(12):1168-76. <i>Therapeutische Hypothermie nach Schädel-Hirn-Trauma oder Subarachnoidalblutung. Das Vorgehen anästhesiologischer Kliniken Deutschlands in der intensivmedizinischen Versorgung.</i> doi:10.1007/s00101-004-0778-x	3
20	Howell DA, Posnikoff J, Stratford JG. Prolonged hypothermia in treatment of massive cerebral haemorrhage; a preliminary report. <i>Can Med Assoc J.</i> Sep 1 1956;75(5):388-94.	5
21	Hurst RL. Teaching neuroimages: "subarachnoid hemorrhage" from decreased contrast elimination after therapeutic hypothermia. <i>Neurology.</i> Aug 26 2014;83(9):867. doi:10.1212/01.wnl.0000453769.87619.69	5
22	Ibrahim MS, Moussavi MM, Parrella DT, Wirkowski E, Christiansen C, Kirmani JF. Prolonged and controlled hypothermia is feasible and safe for management of cerebral edema and intracranial hypertension following non-traumatic intracerebral hemorrhage. Conference Abstract. <i>Neurocritical Care.</i> 2012;17:S156. doi:10.1007/s12028-012-9775-0	1
23	Isrctn. Cooling in INtraCerebral Haemorrhage (CINCH) trial. Trial registry record. <a href="https://trialsearchwhooint/Trial2.aspx?TrialID=ISRCTN28699995">https://trialsearchwhooint/Trial2.aspx?TrialID=ISRCTN28699995</a> . 2011;	7

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## Supplementary Table 2. Continued

No.	Title of literature	Reason
24	Karnatovskaia L, Festic E, Freeman W, Lee A. Effect of prolonged therapeutic hypothermia on end organ function and hospital outcomes among patients with subarachnoid hemorrhage. Conference Abstract. American Journal of Respiratory and Critical Care Medicine. 2013;187	4
25	Kawamura S, Suzuki A, Hadeishi H, Yasui N, Hatazawa J. Cerebral blood flow and oxygen metabolism during mild hypothermia in patients with subarachnoid haemorrhage. Acta Neurochir (Wien). 2000;142(10):1117-21; discussion 1121-2. doi:10.1007/s007010070039	3
26	Khan I, Haymore J, Barnaba B, et al. Esophageal Cooling Device Versus Other Temperature Modulation Devices for Therapeutic Normothermia in Subarachnoid and Intracranial Hemorrhage. Ther Hypothermia Temp Manag. Mar 2018;8(1):53-58. doi:10.1089/ther.2017.0033	6
27	Kobata H, Negoro TT, Ogita SS, Kawakami MM. Prophylactic normothermia with endovascular cooling device following initial therapeutic hypothermia in patients with poor-grade subarachnoid hemorrhage. Conference Abstract. Neurocritical Care. 2016;25(1):S248. doi:10.1007/s12028-016-0301-7	3
28	Kobata H, Sugie A, Toho T. Therapeutic hypothermia for comatose survivors after cardiac arrest due to aneurysmal subarachnoid hemorrhage. Conference Abstract. Neurocritical Care. 2012;17:S324. doi:10.1007/s12028-012-9775-0	1
29	Kobata H, Tucker A, Sarapuddin G, et al. Targeted Temperature Management for Severe Subarachnoid Hemorrhage Using Endovascular and Surface Cooling Systems: A Nonrandomized Interventional Study Using Historical Control. Neurosurgery. Dec 1 2022;91(6):863-871. doi:10.1227/neu.0000000000002122	6
30	Kuramatsu JB, Kollmar R, Gerner ST, et al. Early and prolonged hypothermia in poor-grade-sah reduces degree of vasospasm and rate of delayed cerebral infarctions. Conference Abstract. Neurocritical Care. 2014;21(1):S28. doi:10.1007/s12028-014-0034-4	4
31	Kuramatsu JB, Kollmar R, Staykov D, et al. Prophylactic and prolonged hypothermia in poor-gradesah reduces degree of vasospasm and rate of delayed cerebral infarctions. Conference Abstract. Journal of Cerebral Blood Flow and Metabolism. 2016;36:781. doi:10.1177/0271678X16645239	4
32	Kwon SC, Choi W. Feasibility and safety of mild therapeutic hypothermia in poor-grade subarachnoid hemorrhage: A prospective pilot study. Conference Abstract. European Stroke Journal. 2017;2(1):481. doi:10.1177/2396987317706897	4
33	Linares G, Mayer SA. Hypothermia for the treatment of ischemic and hemorrhagic stroke. Crit Care Med. Jul 2009;37(7 Suppl):S243-9. doi:10.1097/CCM.0b013e3181aa5de1	5
34	Mäder L, Ganai A, Aroyo I, et al. Targeted Temperature Management for Subarachnoid Hemorrhage: Excellent Outcome After Severe Vasospasm-A Case Series. Ther Hypothermia Temp Manag. Sep 2019;9(3):216-221. doi:10.1089/ther.2018.0049	3
35	Maeder L, Ganai A, Schill J, et al. Individual hypothermic targeted temperature management (TTM) in severe subarachnoid hemorrhage leads to favorable outcome-results of a case series. Conference Abstract. European Stroke Journal. 2019;4:655. doi:10.1177/2396987319845581	3
36	Müller A, Lorenz A, Seifert B, Keller E. Risk of thromboembolic events with endovascular cooling catheters in patients with subarachnoid hemorrhage. Neurocrit Care. Oct 2014;21(2):207-10. doi:10.1007/s12028-014-0001-0	1
37	Nagao S, Irie K, Kawai N, et al. Protective effect of mild hypothermia on symptomatic vasospasm: a preliminary report. Acta Neurochir Suppl. 2000;76:547-50. doi:10.1007/978-3-7091-6346-7_114	3
38	Nagao S, Irie K, Kawai N, Nakamura T, Kunishio K, Matsumoto Y. The use of mild hypothermia for patients with severe vasospasm: A preliminary report. Article. Journal of Clinical Neuroscience. 2003;10(2):208-212. doi:10.1016/S0967-5868(02)00322-3	3
39	Naidech AM, Bendok BR, Bernstein RA, et al. Fever burden and functional recovery after subarachnoid hemorrhage. Article. Neurosurgery. 2008;63(2):212-217. doi:10.1227/01.NEU.0000320453.61270.0F	6
40	Nakamura T, Tataru N, Morisaki K, Kawakita K, Nagao S. Cerebral oxygen metabolism monitoring under hypothermia for severe subarachnoid hemorrhage: report of eight cases. Acta Neurol Scand. Nov 2002;106(5):314-8. doi:10.1034/j.1600-0404.2002.01300.x	3
41	Nct. Trial of Long-term Therapeutic Hypothermia for Poor-grade Aneurysmal Subarachnoid Hemorrhage. Trial registry record. <a href="https://clinicaltrials.gov/show/NCT03442608">https://clinicaltrials.gov/show/NCT03442608</a> . 2018;	7
42	Piepgras A, Elste V, Frietsch T, Schmiedek P, Reith W, Schilling L. Effect of moderate hypothermia on experimental severe subarachnoid hemorrhage, as evaluated by apparent diffusion coefficient changes. Neurosurgery. May 2001;48(5):1128-34; discussion 1134-5. doi:10.1097/00006123-200105000-00033	8
43	Qu X. Trial of long-term therapeutic hypothermia for poor-grade aneurysmal subarachnoid hemorrhage. Journal article. 2018;	7
44	Qu X, Shang F, Zhao H, et al. Targeted temperature management at 33 degrees Celsius in patients with high-grade aneurysmal subarachnoid hemorrhage: a protocol for a multicenter randomized controlled study. Ann Transl Med. Apr 2021;9(7):581. doi:10.21037/atm-20-4719	7
45	Seule M, Keller E. Hypothermia after aneurysmal subarachnoid hemorrhage. Conference Abstract. Critical Care. 2012;16	5
46	Seule M, Muroi C, Sikorski C, Hugelshofer M, Winkler K, Keller E. Therapeutic hypothermia reduces middle cerebral artery flow velocity in patients with severe aneurysmal subarachnoid hemorrhage. Neurocrit Care. Apr 2014;20(2):255-62. doi:10.1007/s12028-013-9927-x	3

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**Supplementary Table 2.** Continued

No.	Title of literature	Reason
47	Seule MA, Muroi C, Mink S, Yonekawa Y, Keller E. Therapeutic hypothermia in patients with aneurysmal subarachnoid hemorrhage, refractory intracranial hypertension, or cerebral vasospasm. <i>Neurosurgery</i> . Jan 2009;64(1):86-92; discussion 92-3. doi:10.1227/01.Neu.0000336312.32773.A0	3
48	Spataru OV, Wong CS, Chen C, et al. Using ct perfusion to determine the duration of hypothermia in patients with secondary brain injury after aneurysmal subarachnoid hemorrhage. Conference Abstract. <i>Neurocritical Care</i> . 2012;17:S119. doi:10.1007/s12028-012-9775-0	3
49	Spiro SG, Jenkins JS. Adipsia and hypothermia after subarachnoid hemorrhage. <i>Br Med J</i> . Aug 14 1971;3(5771):411-2. doi:10.1136/bmj.3.5771.411	5
50	Stewart M, Hawthorne C. Targeted temperature management in subarachnoid hemorrhage. Conference Abstract. <i>Journal of Neurosurgical Anesthesiology</i> . 2020;32(1):E2. doi:10.1097/ANA.0000000000000649	6
51	Strazevska E, Stasek J, Sevcik P. Neuroprotective use of mild hypothermia in patients with severe vasospasms after subarachnoid haemorrhage. <i>Bratisl Lek Listy</i> . 2008;109(11):499-501.	3
52	Su ZQ, Wang Y, Zhao QJ, Sun XY, Yang HY, Wang DS. Recent effect of local mild hypothermia for improving neurological deficits in patients with cerebral hemorrhage. Article. <i>Chinese Journal of Clinical Rehabilitation</i> . 2004;8(10):1816-1817.	1
53	Suehiro E, Sadahiro H, Goto H, et al. Importance of Early Postoperative Body Temperature Management for Treatment of Subarachnoid Hemorrhage. <i>J Stroke Cerebrovasc Dis</i> . Jun 2016;25(6):1482-8. doi:10.1016/j.jstrokecerebrovasdis.2016.01.053	6
54	Takagi K, Tsuchiya Y, Okinaga K, Hirata M, Nakagomi T, Tamura A. Natural hypothermia immediately after transient global cerebral ischemia induced by spontaneous subarachnoid hemorrhage. <i>J Neurosurg</i> . Jan 2003;98(1):50-6. doi:10.3171/jns.2003.98.1.0050	6
55	Yasui N, Kawamura S, Suzuki A, Hadeishi H, Hatazawa J. Role of hypothermia in the management of severe cases of subarachnoid hemorrhage. <i>Acta Neurochir Suppl</i> . 2002;82:93-8. doi:10.1007/978-3-7091-6736-6_17	5
56	Zhou Z, Liu Z, Zhang C, et al. Mild hypothermia alleviates early brain injury after subarachnoid hemorrhage via suppressing pyroptosis through AMPK/NLRP3 inflammasome pathway in rats. <i>Brain Res Bull</i> . Feb 2023;193:72-83. doi:10.1016/j.brainresbull.2022.12.004	8

**Respective reasons (the number of literatures)**

1. Absence of SAH model; alternative data model used. (5)
2. Inability to segregate SAH data. (1)
3. Lack of a control group. (18)
4. Presence of duplicate entries. (4)
5. Review articles. (7)
6. Therapeutic hypothermia was not applied. (12)
7. Protocol only. (5)
8. Conducted as an animal study. (3)
9. Availability of abstracts only. (1)