

Effective Date: 8/29/07

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2/2/23, 2/8/24, 2/20/25

Cooling Devices in the Outpatient Setting

Policy

VCHCP considers use of active or passive cooling devices or devices that combine cooling and heating or compression mechanisms not medically necessary in the postoperative care of patients undergoing musculoskeletal surgery or in cases of non-operative musculoskeletal injuries

Based on updated PubMed database reviews (January 2024), which included systematic reviews and several RCTs, results did not provide sufficient evidence of efficacy. Several randomized trials have compared active circulating cooling devices with standard intermittent icing or cold packs and results have demonstrated little significant benefit of the continuous cooling devices. In general, the evidence is insufficient to determine that the technology results in an improvement in the net health outcome.

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A. Attachment: None

B. History:

Author/Reviewer: Sheldon Haas, MD; Date: June 2007 Committee Review: August 09, 2007; QA: August 28, 2007

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Revision Date	Content Revised (Yes/No)	Contributors	Review/Revision Notes
2/9/17	No	Catherine Sanders, MD; Robert Sterling, MD	Annual Review
2/8/18	No	Catherine Sanders, MD; Robert Sterling, MD	Annual Review
2/14/19	No	Catherine Sanders, MD; Robert Sterling, MD	Annual Review
2/13/20	No	Howard Taekman, MD; Robert Sterling, MD	Annual Review
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2/17/22	No	Howard Taekman, MD; Robert Sterling, MD	Annual Review
2/2/23	No	Howard Taekman, MD; Robert Sterling, MD	Annual Review
2/8/24	No	Howard Taekman, MD; Robert Sterling, MD	Annual Review
2/20/25	Yes	Howard Taekman, MD and Robert Sterling, MD	Removed definition,
			background, passive
			and active cooling
			devices sections.
			Added a note from
			PubMed database
			reviews (January
			2024), which
			included systematic
			reviews and several
			RCTs, results did not
			provide sufficient
			evidence of efficacy.