PRICE needs updating, should we call the POLICE?

C M Bleakley,1,3 P Glasgow,2,3 D C MacAuley4

The acronym PRICE (protection, rest, ice, compression and elevation) has been central to acute soft tissue injury management for many years despite a paucity of high-quality, empirical evidence to support the various components or as a collective treatment package. Treatment paradigms in sports medicine must be updated based on contemporary research evidence. As a recent example, the widespread use of non-steroidal anti-inflammatory drugs in acute soft tissue injury management has been challenged, particularly with ligament and muscle injuries.1

Ice compression and elevation (ICE) is the basic principle of early treatment. Most research has focused on the analgesic effect of icing or the associated skin inflammatory drugs in acute soft tissue injury management. There is no single one size fits all strategy for any mechanotherapy intervention and includes a wide range of manual techniques currently available; indeed the term may include manual techniques such as massage refined to maximise the mechanoeffect. Paradoxically, crutches, braces and supports, traditionally associated with rest, may have a greater role in adjusting and regulating optimal loading in the early stages of rehabilitation.

POLICE should make us think more about research into designing rehabilitation strategies that are appropriate to the nature and severity of injury in different sports and activities. If the primary principle of treatment is to restore the histological and mechanical properties of injured soft tissue, optimal loading may indeed be sport specific. The challenge is in determining what is ‘optimal’ in terms of the dosage, nature and timing.

POLICE is not just an acronym to guide management but a stimulus to a new field of research. It is important that this research includes more rigorous examination of the role of ICE in acute injury management. Currently, cold-induced analgesia and the assurance and support provided by compression and elevation are enough to retain ICE within the acronym.

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