

Vacuum Splint Studies

The Vacuum Splint: An Aid in Emergency Splinting of Fractures

While multiple reviews by numerous Ambulance Services exist supporting the superiority of Vacuum Splints over other extremity splinting devices, very few published research studies exist in reference to the Vacuum Splint.

Canadian Medical Association Journal. 1973 Oct 6;109(7):599-600.

The Vacuum Splint: An Aid in Emergency Splinting of Fractures.

Letts RM, Hobson DA.

Abstract

The vacuum splint has been shown to be a simple, safe and effective method of emergency splinting of fractured extremities.

The splint is simply constructed from clear vinyl sheeting and contains 2-mm. expanded polystyrene balls. Evacuation of air causes the splint to become rigid, thereby providing stability and immobilization of the limb.

The splint is radiolucent, containing no obstructive metal components that would interfere with the radiographic appearance of the injured limb. The ease of application of this splint makes it especially effective for the emergency splinting of fractures in children.

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Research Links

Company / Name:	Website Address:
Letts RM	http://www.ncbi.nlm.nih.gov/pubmed?term=%22Letts%20RM%22%5BAuthor%5D
Hobson DA	http://www.ncbi.nlm.nih.gov/pubmed?term=%22Hobson%20DA%22%5BAuthor%5D