ABSTRACT

Theme: From rehab to prehab - Putting the soldier back on tracK

Category: Dentistry

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Title: Back to service after dental treatment. Applications of the Phentolamine Mesylate in military dentistry.

Introduction: The resolution of the dental emergency in the Theater of Operations usually requires a series of dental procedures that require the administration of local anesthetics as a consequence of that, the patients are unable to function normally for many hours after leaving the dental appointment, making it difficult for them to return to their duty and usual activities after treatment.

Objective: Describing the mechanism of action of the Phentolamine Mesylate (PM), which is capable of reversing the effect of local anesthetics used in dentistry, highlighting its indications and analizing its effectiveness and safety.

Data sources: Literature review and clinical experience of the employment of PM among the Spanish Armed Forces personnel.

Results: All studies show an efficacy and presence of similar adverse reactions, related to the administration of PM and of a placebo, regardless of the way in which the study was conducted.

Discussion: The use of the PM in the daily practice, should be a decision that must be taken by the professional based on the scientific evidence and the cost-benefit of its administration, having to select which patients are susceptible to its administration. PM is an effective and safe medicine in the reduction of the anesthetic effect and with indications both in the field of civil and as in military dentistry.

Conclusions: Returning to service, the personnel who requires specialized medical attention, to develop their functions with the safety standards required by the specific post, in the shortest possible time, must take into account the time taken to recover their optimal conditions after the aplication of local anesthetics.