REACT! – A simple algorithm + educational video to assist in early management of Extravasation Injuries

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Abstract

Intravenous Infusions are common practice but come with the risk of extravasation injury. These injuries can have severe consequences ranging from skin necrosis to loss of function, some necessitating complex reconstruction. Prompt recognition and treatment reduce the chance of these outcomes. Whilst classically managed by plastic surgeons, many hospitals do not have such services locally. Time-delays introduced by remote referral or inadequate initial treatment result in poor outcomes.

We describe a simple algorithm with accompanying video designed to enable confident immediate management. We devised a simple acronym describing the basic steps, based on the technique described by Gault. This is accompanied by an instructional video demonstrating the technique, which together, form the simply follow guide.

QR code for REACT ! video

Biography

Joseph Muscat was graduated from the 1st Faculty of Medicine, Charles University in Prague. He has been working in the NHS since. He is currently a core surgical trainee in Trauma and Orthopaedics at Lister Hospital, Stevenage, UK.