


Burst Injuries of First Web Space of Hand: A Prospective and Retrospective Study

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Abstract

Blast hand injuries, primarily seen during wartime, are now frequently encountered in major civilian trauma centres. Blast hand injuries, primarily seen during wartime, are now frequently encountered in major civilian trauma centres. Hospital-based prospective and retrospective study. Patients with burst injuries of the first web space of the hand, who reported to SKIMS Accident and Emergency Department and underwent treatment under the Department of Plastic and Reconstructive Surgery. Altogether, 26 patients were included in the study, which comprise the cases of tear gas shells, stun shells, firecracker, cell phone, and pressure cooker blast injury. The mean age of the patients was found to be 23 years, 96% were males, and the dominant hand was more frequently injured 80%. Among the 26 patients described seven revascularizations and one reimplantation have been done, all in acute settings with a good outcome.

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Biography

I'm a postgraduate student. I help people with their research works in the metallurgy and material science area. My research interest falls in the general area of material science and the advanced manufacturing process based on metals. More specifically my research interests are (a) Nano-composites, (b) Additive Manufacturing, (c) Topology optimization, (d) Characterization, and (e) Thin films development.

Although they may seem varied areas of science, in my graduation and post-graduation, I found these fields to be much more interrelated than anticipated. Research and internship programs help me understand the knowledge of equipment's like Physical Vapor Deposition, Nano-indentation, SEM, XRD, induction melting, analyzed characterization techniques, hands-on practice on 3D printers, CAD software and real-time industry problems which really encouraged me to enhance my knowledge further in the field of Material Science Engineering and Manufacturing engineering.