

High Pressure Injury Trauma: A Case Report of Hand Thinner Injected Injury with Color Pump

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Introduction: The high pressure injection injuries are unusual often occupational traumatic injuries which can involve from skin and soft tissue to vital elements such as vascular or neurological systems.

The most important factor of damage is the type of material and its injecting pressure related to soft tissue penetration depth.

Case Report: A 31yr old man referred to ED with severe pain in left hand resulting from accidental high pressure injection of industrial thinner pumps' needle into his 2ed finger.

He has a pale swelling finger On physical exam with limited mobility.

On x-ray radiographs injected chemicals into subcutaneous tissue was seen.

After initial work up include intravenous analgesic, antibiotic therapy & tetanus vaccine, he was planned for emergent surgical debridement and protecting vital elements.

The patient discharged after a 5day admission with daily washing, debridement and immobilization, recommended improving function with physiotherapy.

Conclusion: The high pressure injection injuries have been associated with the rate of 48% of limb amputation, so early recognition and initiation of treatment, including wide spectrum antibiotics, emergent surgical decompression & debridement and intensive care for recovery, greatly influence the outcome.

Keywords:

