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## A case of high-pressure paint injection causing a penetrating neck injury

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**W**e present a novel case of a 45-year-old gentleman who was brought to our major trauma centre after sustaining a penetrating high-pressure paint injection injury to the neck. This rare mechanism of injury is most commonly reported to affect the non-dominant hand, occurring due to the malfunction or misuse of industrial paint machines, causing a piercing soft tissue injury with high-pressure fluid. The unique challenges faced in managing penetrating injuries to the neck are due to the density of vital visceral structures in the region, including major blood vessels and the upper aerodigestive tract. Whilst there is one documented case of a water injection injury, there are no published reports involving paint injection injuries to the neck at the time of writing this report. As such, we present this unique case to highlight important learning points and the challenges faced in our experience of managing a penetrating paint injury of the neck at our major trauma centre.

### Biography

Daniel Saad is a Core Surgical Trainee on a Sports Medicine-themed programme based in London at the prestigious Imperial College Healthcare NHS Trust, a leading UK centre specializing in sports-related injuries and rehabilitation. During his training here, he has been exposed to advanced techniques in musculoskeletal injury management, surgical interventions for joint preservation, and innovative treatments for chronic tendinopathies and ligament reconstruction.

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