

Incident Learning: What happened?

Medical Treatment Case

- On Thursday, 4th June 2020 at approximately 14h30, a mechanical fitter was removing bolts on a 10" flange on top of (60C-5) Desalter.
- The bolts were stuck in place and the mechanical fitter was removing the bolts by using a process called "mushrooming". The "mushrooming" allows the nut to remain in place by locking the other nut with a spanner.
- The mechanical fitter is then able to remove the bolt and the remaining nut drops on the other side of the flange. As the mechanical fitter was "mushrooming" the bolt using a chisel and a six-pound hammer, a piece of metal dislodged from the bolt and struck the mechanical fitter on the lower left side of his abdomen

Cont.

- X-ray was taken which showed signs of object under skin
- A small incision was made to remove object
- < 0.2cm Foreign body was found under skin
- 3 Nylon stitches were administered to close up wound

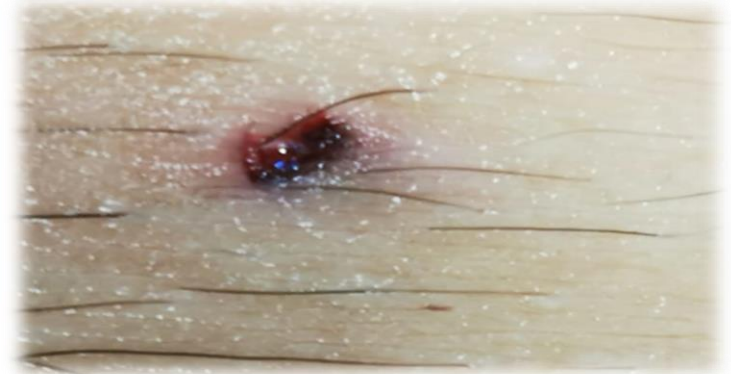
Pictures



Piece of metal dislodged from either:

1. Head 2. Tip 3. Bolt

Not clear where piece of metal dislodged from, awaiting final investigation



Key Communication Points

- Develop a procedure /SOP that clearly identifies the different scenarios of unbolting rusted bolts.
- Use the Pre Job briefing process to clearly outline the agreed method to be used and the clear communication process to follow if agreed methodology is no longer feasible to execute
- Develop a procedure to prevent the distribution of poorly maintained equipment (Chisel head was mushroomed) at collection from stores.