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POSTER SECTIONS

ECR 2023 / C-23060

Radiological assessment of bullet and shrapnel injury of the heart

Congress:

ECR 2023

Poster Number:

C-23060

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Educational Exhibit

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Cardiac, Emergency, Trauma, CT, Diagnostic procedure, Surgery, Acute, Haemorrhage

Authors:

U. Pidvalna, D. Beshley, M. Mirchuk, A. Sobko, R. Sobko

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Learning objectives

- To analyze chest penetrating chest wounds with heart injury by native computed tomography (CT).
- To differentiate groups of patients who need **urgent surgery** (life-saving procedures) at the mobile military hospitals (1) and who might be **safely transported** to the specialized cardiac surgery departments without previous urgent surgical procedures (2).

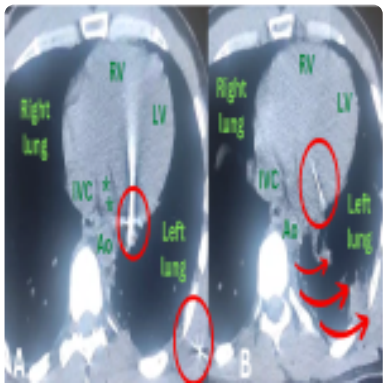

Fig 1: *Non-contrast CT scan of the chest reveals metallic shrapnel (red circle) in the...*

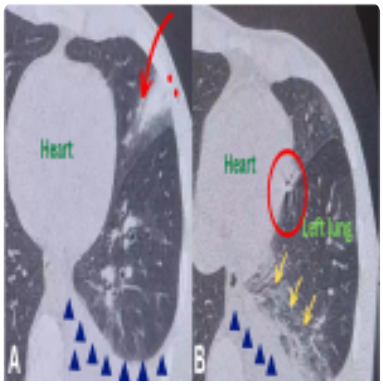

Fig 2: *The point of entry is on the anterolateral side of the chest (red dots) with a...*

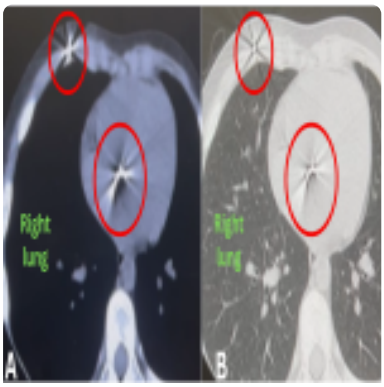

Fig 3: *The presence of metallic shrapnel (red circle) with shadow in the chest wall...*

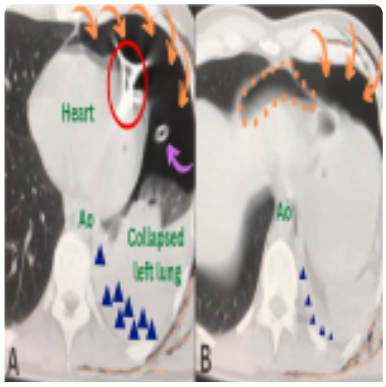

Fig 4: *Non-contrast enhanced CT show multiple shrapnel injuries (red circle), which...*

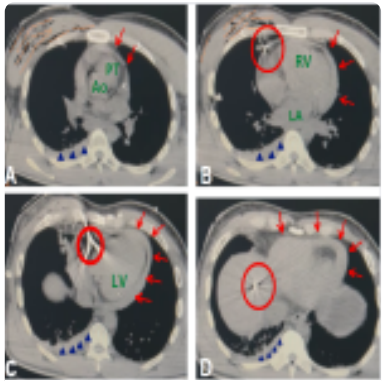

Fig 5: *The right-sided anterior chest injury with air in the subcutaneous tissue...*

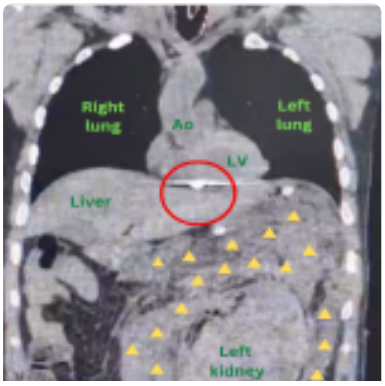

Fig 6: *The significant shadow of the metallic component (red circle) in the projection...*

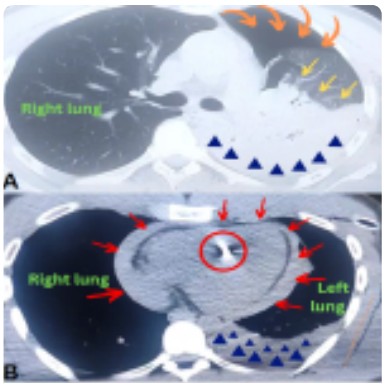

Fig 7: *Non-contrast enhanced CT show massive left-sided hemothorax (blue triangles)...*

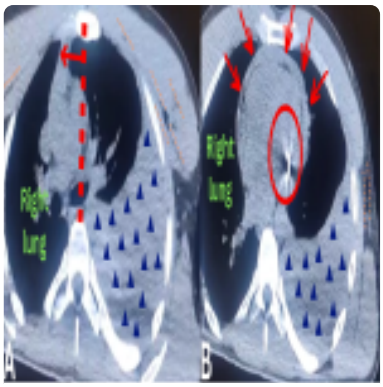

Fig 8: *Non-contrast CT scan reveals the left-sided hemopneumothorax (hemothorax (blue...*

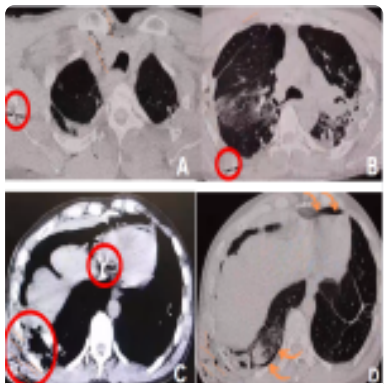

Fig 9: *Multiple shrapnel injuries (red circle) in the soft tissue (A-B), with the...*