

1. Excretory: 2.2 Lacerated kidney

- Specimen of a left kidney
- Laceration of size 5x2 cm present over the lower pole of the left kidney

General description

- Kidney (renal) trauma is when a kidney is injured by an outside force.
- Your kidneys are guarded by your back muscles and rib cage. But injuries can happen as a result of blunt trauma or penetrating trauma.
 - Blunt trauma – damage caused by impact from an object that doesn't break the skin.
 - Penetrating trauma – damage caused by an object that pierces the skin and enters the body.
- These 2 bean-shaped organs are found near the middle of the back, just below the ribs. One kidney sits on each side of the spine.
- Our kidneys are our body's main filter. They clean about 180 litres of blood daily. Every day, they form about 1-2 litres of urine by pulling extra water and waste from the blood.



Blunt trauma

1. The best sign of blunt kidney injury is blood in the urine (haematuria).
2. Sometimes the blood can be seen with the naked eye. Other times, it can only be seen through a microscope.
3. Blunt trauma kidney injuries may show no outside signs. Or bruises may be seen over the back or abdomen where the kidneys are.

Penetrating trauma

1. Penetrating kidney trauma may be suspected when there's a wound from a knife, bullet or other object that has pierced the skin. But sometimes these wounds may be small or hard to find.
2. Also, sometimes the skin wound is far away from the kidney.