Research Aechive



X-001: amputation knife

X-002: Weighing organs in the morgue

X-003: Medical human cutout model (female)





Quoted from: Hausse, H. (2024) Modern surgery began with saws and in

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Scholars often depict the American Civil War as an early watershed for amputation techniques and artificial limb design. Amputations were the most common operation of the war, and an entire prosthetics industry developed in response. Anyone who has seen a Civil War film or TV show has likely watched at least one scene of a surgeon grimly approaching a wounded soldier with saw in hand. Surgeons performed 60,000 amputations during the war, spending as little as three minutes per limb.

Yet, a momentous change in practices surrounding limb loss started much earlier - in 16th and 17th century Europe.

Early modern surgeons passionately debated where and how to cut the body to remove fingers, toes, arms and legs in ways medieval surgeons hadn't. This was partly because they confronted two new developments in the Renaissance: the spread of gunpowder warfare and the printing press.

Surgery was a craft learned through apprenticeship and years of traveling to train under different masters. Topical ointments and minor procedures like setting broken bones, lancing boils and stitching wounds filled surgeons' day-to-day practice. Because of their danger, major operations like amputations or trepanations - drilling a hole in the skull were rare.



the body in the Renaissance, [online]. Availlable at; https://theconversation.com/mod saws-and-iron-hands-how-amputation-transformed-the-body-in-the-renaissance

> A 17th century treatise instructs surgeons to use a mallet and chisel among other amputation methods. Johannes Scultetus/Universit⊠tsbibliothek Heidelberg

Widespread use of firearms and artillery strained traditional surgical practices by tearing bodies apart in ways that required immediate amputation. These weapons also created wounds susceptible to infection and gangrene by crushing tissue, disrupting blood flow and introducing debris — ranging from wood splinters and metal fragments to scraps of clothing – deep into the body. Mangled and gangrenous limbs forced surgeons to choose between performing invasive surgeries or letting their patients die.

Category: Surgery Object Number: 2018-471 Materials: metal (unknown) and glass Measurements: overall: 800 mm x 400 mm x 300 mm, type: weighing scales credit: Ashford and St Peter's Hospital NHS Foundation Trust



Post-mortem scales are used by pathologists during autopsy, the last opportunity to 'question the dead' and establish the cause of a death. During a post-mortem, an organ is examined within the body before being removed, weighed and inspected in further detail. An unexpected weight might indicate disease or an abnormality, providing further evidence to explain a body' s cause of death.

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ne displays muscles, demonstrates blood flow, and simulates a heartbeat. Atched in awe and parents nodded frequently.

Then the vendor went out of business and the operating system was unmaintained. And she didn't stop.

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