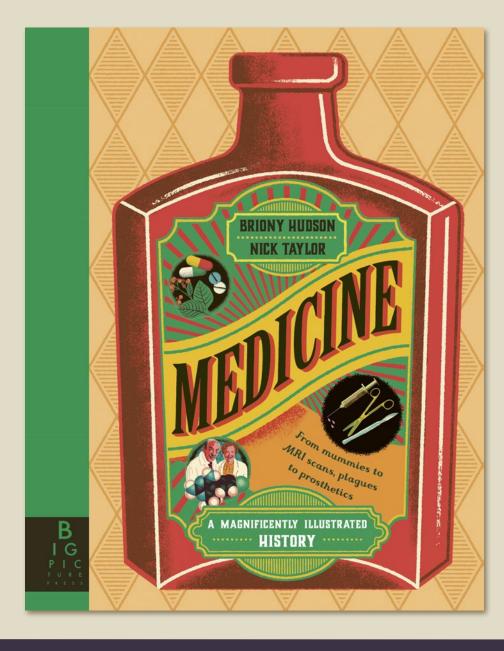
# Medicine



This visually extraordinary book presents the history of medicine as it has never been seen before.

- Sample contents: The History of Medicine, Learning from the Past, Ancient Beliefs, Mental Health, How Medicines Work, Opening Up the Body, The Power of Plants, Malaria Medicines, Making Medicines, Poisons, Hospitals Through History, Early Surgery, Cholera, Plagues and Pandemics, Vaccination, D.I.Y. Medicine, Transplants, Prosthetics
- Expertly written by curator, lecturer and historian, Briony Hudson
- Striking artwork from Aquila artist Nick Taylor is sure to make this title stand out from the crowd
- Perfect for students but also the ideal gift book for general interest readers

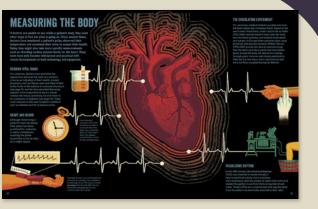
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## Medicine









## **FROM THE INSIDE OUT**

For centuries, doctors and scientists rarely got the opportunity to see inside the human body. To be able to work out why a person felt sick, whether they had a more serious disease or how to heal a complicated broken bone was very difficult until scientists developed the equipment we have today.

#### STETHOSCOPE

In 1816, French doctor René Laennec (1781-1826) invente the stethoscope. Doctors knew that listening to a person heart, their breathing or the sounds that their digestive system made helped reveal what was going on inside.

the two-eared' type we recognise today was invented in the 1850s. Simple trumpet-shaped

#### X-RAYS

A TRAD In 1895.0 1923) discovered that the rays he was investigating roud groudes as image of the bores in his hard. He called his discovery X-rays. For the first time, doctors could see inside a living hauran being investigation of the second second second the first burgers has too be a second a second the first burgers has too bore and second the first even Nobel Price in physics for his work.

Ann.

MIII MILLING

In their early days, X-rays were a very exciting In their early days, x-rays were a very exciting development, but the dangerous effects of the radiation that make the images possible was not fully understood. Today, we know much more about radiation and ace levels of exposure. Radiation erapy can also treat diseases like cancer.

appetic Re MRI, USP magnetic fields and radio waves to create 3D images f the inside of a person's body. X-rays can only ee bones, but MRI scans can make imag and blood vessels. At least three scientis g on this idea independently in the 1970 lian (b.1936). Paul Lauteri ter Mansfield (1933-2017). In 1974, it tool 20 minutes for Mansfield to get an image Finger. By 1978, both Damadian an tole body scanners. If to net the first 50-m

MRI SCANS

CT SCANS d (Axial) Tomography ay images like slices e can be put back tors can see a ked for bon

# ULTRASOUND ULRASUMU The first scientists to experiment with high-frequency waves, or ultrasound, waves trying to measure distances underwater in the early 1805, By the 1956s, researchers realised that the technique could be height. for seeing inside people The sound can't be heard, but he waves can be see in in the body, the echose detected and turned into mapse. The a very safe way to see growing nables inside a preprint woman.

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