

MEDICAL BREAKTHROUGHS EVOLUTION

A Historical Perspective of Clinical Milestones

1796

Smallpox Vaccine Edward Jenner develops the first successful vaccine, laying the foundation for modern immunology.

1846

Inhaled Anesthesia First public demonstration of ether anesthesia, transforming surgery from a last resort to a viable treatment.

1895

X-Ray Discovery Wilhelm Röntgen discovers X-rays, enabling non-invasive internal imaging for the first time.

1928

Penicillin Alexander Fleming discovers the first true antibiotic, beginning the era of infection control.

1953

DNA Double Helix Watson and Crick (with Franklin) map the structure of DNA, sparking the genetic revolution.

1978

In-Vitro Fertilization Birth of Louise Brown, the first child conceived via IVF, redefining reproductive medicine.

2020

mRNA Vaccines Rapid development and deployment of mRNA technology to combat global viral threats.