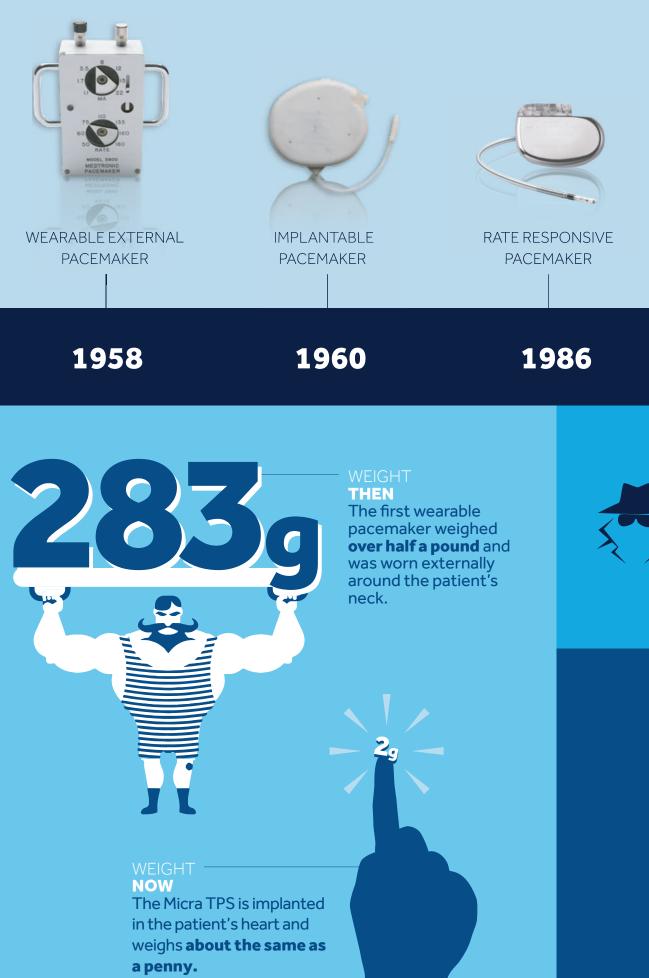


PACEMAKERS, FROM START TO SMALLEST A TALE OF PACEMAKER EVOLUTION

Pacemakers have come a long way, and improved millions of lives, since their 1949 invention. They were bulky boxes plugged into walls for power until 1958 when Medtronic developed a four-inch, battery-powered box that could be taped to patients' chests. The devices soon became small enough to be implanted in the body but needed frequent recharging, until Medtronic first commercially produced implantable pacemaker technologies in 1960. Later developments include technology that adapts pacing rate to activity levels, MRI-safe devices and finally, today's new Micra[®] Transcatheter Pacing System (TPS) —so tiny it's delivered via a catheter and implanted directly into the heart, free of leads.

Learn about Micra TPS: medtronic.com/us-en/ patients/treatments-therapies/pacemaker/micra.html

Medtronic









TODAY



MRI CONDITIONAL

PACEMAKER



TRANSCATHETER

PACEMAKER