

## Medtronic

A global leader in medical technology, services, and solutions, collaborating with others to take on the industry's greatest challenges.

Medtronic is a global leader in medical technology, founded in 1949 in Minneapolis, Minnesota, US. In Scotland, Medtronic has a manufacturing site, a research and development site and a strategic partnership with the University of Dundee and NHS Tayside through the Academic Health Science Partnership in Tayside (AHSP) – this is in addition to the many field based staff who support clinicians across multiple functions.

The innovative strategic relationship between Medtronic, the University of Dundee and NHS Tayside sees them working together to promote high-quality education, training, research & development and transformative patient care through project collaboration and joint strategic planning.

Operating at a national and international level, the Dundee Institute for Healthcare Simulation (DIHS), at the University of Dundee Medical School, offers state-of-the-art surgical and clinical skills training using a variety of models including Thiel cadavers, simulation centres featuring simulated surgical theatres, wards and consulting rooms, and access to patients and actors that support immersive training scenarios. Medtronic provides substantive investment in the DIHS and co-manages the Institute bringing academic, clinical and business know how together. Medtronic cites DIHS as one of its four centres of excellence in training and education across Europe, the Middle East and Africa.

Creating this partnership in Dundee was a strategic decision based on a number of factors including primarily the AHSP led approach to look at innovative and more effective ways of partnering. This places an emphasis on equality in partnership and the gaining of new added value from the many strengths and USPs within both the University of Dundee and NHS Tayside. Medtronic also cites the joined up approach and willingness of stakeholders to work together and across organisations as reasons why the company was attracted to Dundee.

Also, like the rest of Scotland every individual in Dundee has a unique CHI number making it very easy to map interventions across hospitals, primary care and social care and conduct evidence and value based healthcare research. Dundee has one of the largest teaching hospitals in Europe and there are two universities less than one mile apart with the Dundee City Council's Economic development department offering excellent support.

Dundee is recognised globally as a 'Life Science City', housing some of the world's most exciting scientists and innovative companies all within a 3-mile radius. Medtronic are a member of BioDundee, a partnership for world class life sciences and healthcare excellence in Dundee.

In addition to the Life Sciences sector, there is an excellent computer games cluster in the city which is attractive for app development and information science.

Dundee is home to long term genuine partnerships which have developed due to people having the desire to collaborate, and the University of Dundee, NHS Tayside and Medtronic partnership is another example of this demonstrating again the academic, life sciences and healthcare strengths of the city. With its central geographic position, Dundee is ideally situated for business.

- At the heart of the motorway network, connecting the city to Aberdeen, Edinburgh, Glasgow, Inverness and beyond, the city also has excellent rail and air connections.
- Direct flights to London Stansted from an airport only five minutes' drive from the city centre

Dundee is within easy reach, if you flew to Heathrow and got in a black cab it would take you exactly the same length of time to get to Imperial as it would to fly to Edinburgh and get to Dundee.

Medtronic are very positive about their experiences of partnering in Dundee. The perception is not only of a progressive and integrated higher education and healthcare sector but also of a city that is embracing change and innovation, exemplified in many ways including the City's status as the UK's first UNESCO City of Design. Medtronic is pioneering the use of Microsoft HoloLens in Dundee by students across disciplines to develop interactive 3D anatomical models as an example of the excellence in Design that is available here.

*"By partnering with world class institutions and medical societies we are able to radically transform how we design and deliver training and education."*

Mike Roby, Senior Director, Learning & Innovation, Medtronic

*"For Medtronic, developing trusted partnerships with world class institutions is an important element of our work. I have been impressed with what Dundee has to offer and I look forward to working in partnership with them across our areas of mutual interest with a view to improve patient outcomes."*

Jackie Fielding, Vice President, Medtronic UK & Ireland

*"This is a partnership which combines the best of academic excellence with industry innovation. We offer a unique set of training and development opportunities and working with Medtronic will enhance that and enable us to reach an ever wider audience around the world."*

Professor Gary Mires, Dean of the School of Medicine, University of Dundee