



The Medical Technology Group (MTG) is a coalition of patient groups, research charities and medical device manufacturers working to improve access to cost effective medical technologies for everyone who needs them. The common purpose of the MTG is to increase patient access to the best diagnostic, imaging, surgical and supported-living technologies on the NHS.

## Medical Technology Awareness Week Reception

The parliamentary reception was the showcase event of Medical Technology Awareness Week. Over 140 clinicians, NHS staff, policy makers and parliamentarians mixed with patients and industry representatives to discuss the benefits that medical technology can have for patients.

The focus of the reception was to demonstrate the value of greater patient access to medical technology and how they can help patients get back to work, spend time with loved ones and get back to being themselves. Attendees were taken on a journey from head to toe – seeing for themselves how medical technology can benefit patients:

- **Head** – deep brain stimulation (dbs), thrombectomy technology
- **Heart** – thoracic stent, ICDs, CRTDs, pacemakers
- **Abdomen** – insulin pump, hernia mesh, renal denervation technology
- **Hips and Knees** – hip and knee replacement technology
- **Legs** – vascular stents and balloons



Guests at the Medical Technology Awareness Week Reception at the House of Commons Terrace.



Shadow Science Minister, Liam Byrne MP is shown around the stalls.



### 1. Medical Technology Man – Head

#### Neurology

- Deep brain stimulation can offer benefits for patients with disorders such as Parkinson's Disease, Dystonia and Chronic Epilepsy. (Kringelbach ML, Jenkinson N, Owen SLF, Aziz TZ (2007). "Translational principles of deep brain stimulation". Nature Reviews Neuroscience)
- The technology helps to manage symptoms relieving pressure on the welfare budget and social care costs. (Clinical Commissioning Policy: Deep Brain Stimulation (DBS) In Movement Disorders, NHS England (April 2013))

#### Stroke

- The quicker the diagnosis and the treatment of stroke the more of the patient you save, reducing social care costs. (Mant J, Wade DT, Winner S. Health care needs assessment: stroke. Health care needs assessment: the epidemiologically based needs assessment review, Oxford: Radcliffe Medical Press: 2004. pp. 141–244.)

- Following thrombolysis, patients can be offered a thrombectomy procedure where the clot is removed by a specialist clinician.

### 2. Medical Technology Man – Heart

#### Sudden Cardiac Death and Heart Failure

- Sudden Cardiac Death kills over 100,000 people each year in the UK and over a third of Heart Failure patients die within 1 year. (Department of Health (DH) 2005)
- Cardiac Rhythm therapy devices save lives and reduce expensive hospital admissions. (Pumping Marvellous, Cardiomyopathy Association, Arrhythmia Alliance, ABHI, Don't Fail on Heart Failure (2013) The Evidence – and what needs to be done.)

### 3. Medical Technology Man – Abdomen

#### Diabetes

- 10% of the UK NHS budget is spent on diabetes. (Balance Magazine, January - February 2010)
- The personal and economic impact of diabetes can be limited in the 390,000 people (Diabetes UK, State of the Nation Report 2012) with Type 1 diabetes by improving glucose control with the help of insulin pumps. (Diabetes - insulin pump therapy (TA151), NICE)

#### Hernia Repair

- Inguinal hernia repair is one of the most common surgical procedures in the UK relieving pain and discomfort for patients. (Kingsnorth, A., Controversial topics in surgery. The case for open repair. Annals of the Royal College of Surgeons in England, 2005. 87(1): p. 57-60; discussion 57-60.)
- Patients who undergo laparoscopic repair report less persisting pain and return to work more quickly. (Liem MS, van Vroonhoven TJ. Laparoscopic inguinal hernia repair. Br J Surg 1996;83(9):1197–1204. [MEDLINE: 1997105427])

#### Hypertension

- Renal denervation is a new treatment for patients with resistant hypertension – the leading cause of heart attack and stroke. (Simplicity HTN-1, Investigators (2011 May). "Catheter-based renal sympathetic denervation for resistant hypertension: durability of blood pressure reduction out to 24 months.")

### 4. Medical Technology Man - Hips and Knees

#### Hips and Knees

- Severe knee and hip pain can prevent sufferers from carrying out usual day-to-day activities and from working.
- 31 per cent of women and 42 per cent of men receiving an artificial hip are of working age. In 2009 in the region of 11,000 people in England and Wales were enabled to return to work by a hip replacement surgery, saving the UK welfare system £37.4 million each year of their working lives. (Adding Value: The Economic and Societal Benefits of Medical Technology, The Work Foundation (2011) )
- NHS measures show that patients with hip and knee replacements have the greatest patient outcomes improvements after the operation. (Finalised Patient Reported Outcome Measures (PROMs) in England - April 2011 to March 2012, Health & Social Care Information Centre, at <http://www.hscic.gov.uk/catalogue/PUB11359>)

### 5. Medical Technology Man – Legs

#### Peripheral Arterial Disease

- Peripheral Arterial Disease (often complicated by diabetes) is one of the leading causes of lower limb amputation in the UK. (Circulation Foundation (2011). Campaign Toolkit. [online]. Available from: [http://www.circulationfoundation.org.uk/wpcontent/uploads/2012/03/awareness\\_week\\_toolkit.pdf](http://www.circulationfoundation.org.uk/wpcontent/uploads/2012/03/awareness_week_toolkit.pdf))
- Timely revascularisation by clinicians – which can be done through the use of balloons and stents – could avoid thousands of unnecessary amputations. (All Party Parliamentary Group on Vascular Disease).

### MTG Reception Speakers

#### Eric Ollerenshaw OBE MP

Conservative MP for Lancaster and Fleetwood and host of the MTG Reception.

#### Nicholas Calder-Bundy

Dystonia patient treated with deep brain stimulation (DBS).

#### Marion Millington

A patient who suffered an aortic dissection and was fitted with a thoracic stent.

#### Earl Howe

Health Minister.

#### Miles Ayling

NHS England.

#### Stuart Robson

A vascular patient who underwent a bypass and angioplasty to save his leg from amputation.

#### Sabrina Dawe

Mother of a son with diabetes who was fitted with an insulin pump.

#### Barbara Harpham

Chair of the Medical Technology Group.



Eric Ollerenshaw MP



MTG Chair Barbara Harpham with Earl Howe.



Miles Ayling from NHS England.



Rosie Cooper MP signs the pledge.



Jim Dowd MP signs the pledge.

### Medical Technology Awareness Pledge

The pledge highlighted key aspects of the current campaign to raise awareness about medical technology and the postcode lottery that patients suffer.

#### Parliamentary Pledge Signatories:

- David Aleser MP
- Eric Ollerenshaw MP
- Heather Wheeler MP
- Ian Mearns MP
- Jim Dobbins MP
- Jim Dowd MP
- Jim Fitzpatrick MP
- John Pugh MP
- Julian Huppert MP
- Lord Walton of Deitchant
- Mark Durkan MP
- Rosie Cooper MP
- Steve McCabe MP.

## Hip and Knee Report

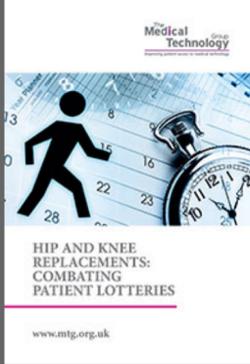
The MTG launched the first in a series of reports at the MTG parliamentary reception in medical technology awareness week.

It shows that shortly before Christmas may be the best time of year to need hip or knee surgery – but just after Christmas may be the worst time.

Like a postcode lottery, this time of year lottery means patient outcomes are radically different depending on the financial calendar. There is a 15-week wait for a hip or knee replacement and March is the busiest month for operations. But the number of operations falls off dramatically in April, coinciding with the end of the financial year, impeding financial calendars for trusts are driving outcomes for patients.

So those who start their wait after Christmas may have the longest wait. The last ten years saw an average of 498 fewer hip procedures and 641 fewer knee procedures in April than in March.

There is also new evidence of a postcode lottery in hip and knee treatments, with dramatic variation in waiting times and half of local Trusts reporting patients being held back from treatment.



## Upcoming work of the MTG

### MTG Inquiry with Parliamentarians

The MTG will be carrying out a report focusing on the NHS Outcomes Framework, the mechanism from which the NHS will be held to account. The MTG will be showing how greater patient access to medical technology helps the NHS achieve against the indicators that the Government has set for each domain.

The first meeting of this type will be on Domain 2, enhancing quality of life for people with long-term conditions, and the guest speaker at this meeting will be Dr Martin McShane, NHS England's Director for Patients with Long Term Conditions. This meeting will take place in the House of Commons on 28<sup>th</sup> January from 8:30am-10am, to attend this event please RSVP to [melissa@pbpoliticalconsulting.com](mailto:melissa@pbpoliticalconsulting.com).



**Medical Technology Group Members:** ABHI, AdvaMed, AntiCoagulation Europe, ARMA, Arrhythmia Alliance, Arthritis Care, Atrial Fibrillation Association, BD, Bladder and Bowel Foundation, Boston Scientific, British Cardiac Patients Association, C R Bard, Cardiomyopathy Association, Diabetes UK, Eucomer, FABLE, FEMISA, Heart Research UK, ICD Group, INPUT, International Alliance of Patients' Organizations, JDRF, Johnson & Johnson, Lindsay Leg Club, Medtronic, National Rheumatoid Arthritis Society, Pelvic Pain Support Network, Roche Diagnostics, SADS UK, St Jude Medical, STARS, Stryker, The Circulation Foundation, The Patients Association, Transplant Support Network

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