



Healthcare
Improvement
Scotland

SHTG
Advice on health
technologies

Advice on Health Technologies

Quarterly Bulletin | October 2021

What is the purpose of this bulletin?

This bulletin lists advice and guidance on health technologies published in July to September 2021 by the Scottish Health Technologies Group (SHTG) and also recent technology assessments undertaken by other HTA agencies across the UK, Ireland and Europe.

It is produced by SHTG to support decision making on the use of health technologies within NHSScotland. You can find out more about the work of SHTG on [our website](#).

What is a health technology?

A health technology is an intervention, product or service developed to prevent, diagnose or treat medical conditions; promote health; provide rehabilitation; or organise healthcare delivery. The health technology could be a test, device, procedure or patient pathway.

What areas of work are covered this quarter?

- Cancer
- Cardiovascular system
- Caring for older people
- COVID-19
- Dermatology
- Digestive system
- Endocrine, nutritional and metabolic
- Genitourinary system
- Health service organisation and delivery
- Injuries, accidents and wounds
- Mental and behavioural disorders
- Musculoskeletal system
- Nervous system
- Obstetrics and gynaecology
- Respiratory system

Advice and guidance is ordered by area of work or specialty, the full list is at the end of this document.

What advice is NHSScotland required to consider?

The advice and guidance NHS Scotland is **required to consider** is highlighted in the 'Status' column below.

What next?

Where a technology assessment is relevant to current policy, planning and clinical decisions within NHSScotland and you would like to discuss its application, please [email SHTG](#). If you would like to refer a technology for assessment, please [use this request form](#).

| Area of Work / Speciality | Technology Assessment | Agency/ Product | Date Published | Status in Scotland |
|---------------------------|---|--|----------------|---|
| Cancer | PLASMA system with button electrode for electrovaporisation of the prostate | NICE Medtech Innovation Briefing ¹ | Aug 2021 | For information only |
| | MMprofiler for prognostic risk classification in multiple myeloma | NICE Medtech Innovation Briefing | Aug 2021 | For information only |
| | Immunoscore for predicting risk of colon cancer relapse | NICE Medtech Innovation Briefing | Aug 2021 | For information only |
| | trublood-prostate for triaging and diagnosing people with prostate cancer symptoms | NICE Medtech Innovation Briefing | July 2021 | For information only |
| | Extreme HypoFractionated Radiotherapy (EHFR) for localised prostate cancer | HTW Topic Exploration Report ² | September 2021 | For information only |
| | Stereotactic ablative radiotherapy (SABR) for the treatment of renal cell carcinoma | HTW Topic Exploration Report | September 2021 | For information only |
| | Blood-based liquid biopsies for the diagnostic triaging of symptomatic males with suspected prostate cancer | HTW Topic Exploration Report | September 2021 | For information only |
| | Transnasal endoscopy for diagnosis of gastrointestinal cancers | HTW Topic Exploration Report | September 2021 | For information only |
| Cardiovascular system | HeartFlow FFRCT for estimating fractional flow reserve from coronary CT angiography | SHTG Adaptation ³ | September 2021 | NHSScotland required to consider |
| | Transapical transcatheter mitral valve-in-valve implantation for a failed surgically implanted mitral valve bioprosthesis | NICE Interventional Procedures Guidance ⁴ | September 2021 | NHSScotland required to consider |

¹ **National Institute for Health and Care Excellence (NICE) Medtech Innovation Briefing:** briefings offer support for considering using new medical devices and other medical or diagnostic technologies.

² **Health Technology Wales (HTW) Topic Exploration Report:** designed to provide a high-level briefing on new topics submitted for consideration by HTW.

³ **SHTG Scottish Adaptation:** considers applicability to NHSScotland of an HTA conducted elsewhere in the UK or internationally.

⁴ **NICE Interventional Procedures Guidance:** covers procedures used for diagnosis or treatment, considers if they are safe and work well enough for wider use in NHS England, Scotland or Wales. NHSScotland is required to consider the advice if they are providing the procedure.

| Area of Work / Speciality | Technology Assessment | Agency/ Product | Date Published | Status in Scotland |
|--------------------------------------|---|---|--------------------|---|
| | Transapical transcatheter mitral valve-in-ring implantation after failed annuloplasty for mitral valve repair | NICE Interventional Procedures Guidance | September 2021 | NHSScotland required to consider |
| | ENDURALIFE powered CRT-D devices for treating heart failure | NICE Medical Technologies Guidance ⁵ | July 2021 (update) | For information only |
| | Carnation Ambulatory Monitor for ambulatory detection of cardiac arrhythmias | NICE Medtech Innovation Briefing | September 2021 | For information only |
| | Acumen IQ sensor for predicting hypotension risk | NICE Medtech Innovation Briefing | July 2021 | For information only |
| | TYRX Absorbable Antibacterial Envelope for patients at risk of cardiac implantable electronic device migration, erosion and infection | HTW Topic Exploration Report | September 2021 | For information only |
| Caring for older people | Sensor devices for fall prevention in hospitalised patients | HTW Topic Exploration Report | September 2021 | For information only |
| COVID-19 | Rapid antigen testing of asymptomatic individuals | HIQA Advice ⁶ | September 2021 | For information only |
| | Reducing the minimum age for mask wearing requirements and recommendations in COVID-19 | HIQA Advice ⁵ | August 2021 | For information only |
| Dermatology | Subepidermal moisture scanners for prevention of pressure ulcers | HTW Topic Exploration Report | September 2021 | For information only |
| Digestive system | Faecal calprotectin home testing for people with a confirmed diagnosis of inflammatory bowel disease | HTW Topic Exploration Report | September 2021 | For information only |
| | Trans-abdominal ultrasound examination for gallbladder polyps | HTW Topic Exploration Report | September 2021 | For information only |
| | Cryotherapy ablation interventions for the treatment of oesophageal conditions | HTW Topic Exploration Report | September 2021 | For information only |
| Endocrine, nutritional and metabolic | OrganOx metra for liver transplant | NICE Medtech Innovation Briefing | September 2021 | For information only |

⁵ NICE Medical technologies guidance: evaluates new, innovative medical devices and diagnostics for NHS England.

⁶ Health Information and Quality Authority (HIQA) Advice: summarises clinical and cost-effectiveness evidence and implications for the health technology in Ireland. HIQA advice is for information only in Scotland.

| Area of Work / Speciality | Technology Assessment | Agency/ Product | Date Published | Status in Scotland |
|--|---|---|----------------------|---|
| | AI technologies for detecting diabetic retinopathy | NICE Medtech Innovation Briefing | July 2021 | For information only |
| | FreeStyle Libre flash glucose monitoring | HTW Guidance ⁷ | September 2021 | For information only |
| | Haemodialysis antimicrobial barrier caps (ClearGuard) | HTW Guidance | July 2021 | For information only |
| | Comparative effectiveness of surgical methods for treating people with morbid obesity | EUnetHTA rapid assessment ⁸ | August 2021 (update) | For information only |
| | HTA of birth cohort testing for hepatitis C | HIQA Advice | July 2021 | For information only |
| Genitourinary system | Colli-Pee for first void urine collection | NICE Medtech Innovation Briefing | August 2021 | For information only |
| | Prostatic urethral temporary implant insertion for lower urinary tract symptoms caused by benign prostatic hyperplasia | HTW Topic Exploration Report | September 2021 | For information only |
| | Catheter valves to reduce urinary catheter complications | HTW Topic Exploration Report | September 2021 | For information only |
| Health service organisation and delivery | A Unique Device Identifier (UDI) system for recording, identifying and recalling medical devices | SHTG Assessment | September 2021 | For information only |
| | Patient Status Engine for wireless monitoring of vital signs | NICE Medtech Innovation Briefing | August 2021 | For information only |
| Injuries, accidents and wounds | Oxidized regenerated cellulose and collagen (ORC-collagen) matrix wound dressings for chronic venous leg ulcers or diabetic foot ulcers | HTW Topic Exploration Report | September 2021 | For information only |
| | WoundExpress intermittent pneumatic compression device in people with hard-to-heal lower leg ulcers | HTW Topic Exploration Report | September 2021 | For information only |
| Mental and behavioural disorders | Transcranial magnetic stimulation for the treatment of depression | HTW Topic Exploration Report | September 2021 | For information only |
| Musculoskeletal system | Lateral elbow resurfacing for arthritis | NICE Interventional Procedures Guidance | September 2021 | NHSScotland required to consider |

⁷ **HTW Guidance:** summarises clinical- and cost-effectiveness evidence and implications for the health technology in Wales.

⁸ **European Network for Health Technology (EUnetHTA) Rapid assessment:** produced by an EU collaborative HTA programme of which SHTG and HTW are members.

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|-----------------------------------|---|---|----------------|---|
| | Magnetic resonance therapy for knee osteoarthritis | NICE Interventional Procedures Guidance | August 2021 | NHSScotland required to consider |
| | HealthVCF for detecting vertebral compression fractures on CT scans | NICE Medtech Innovation Briefing | July 2021 | For information only |
| | 3D printed patient-specific implants in cranial neurosurgery and craniomaxillofacial surgery | HTW Topic Exploration Report | September 2021 | For information only |
| Nervous system | Inducing and maintaining normothermia using temperature modulation devices to improve outcomes after stroke or subarachnoid haemorrhage | NICE Interventional Procedures Guidance | July 2021 | NHSScotland required to consider |
| | Personal KinetiGraph for remote clinical management of Parkinson's disease | NICE Medtech Innovation Briefing | July 2021 | For information only |
| | Simplified continuous EEG (cEEG) monitoring systems for patients with neurological insults in critical care | HTW Topic Exploration Report | September 2021 | For information only |
| | Parkinson's KinetiGraph to monitor symptoms of Parkinson's disease | HTW Topic Exploration Report | September 2021 | For information only |
| | Full body cryotherapy for symptom reduction in people with fibromyalgia | HTW Topic Exploration Report | September 2021 | For information only |
| Obstetrics and gynaecology | Laparoscopic removal of uterine fibroids with power morcellation | NICE Interventional Procedures Guidance | August 2021 | NHSScotland required to consider |
| | Hysteroscopic mechanical tissue removal (hysteroscopic morcellation) for uterine fibroids | NICE Interventional Procedures Guidance | August 2021 | NHSScotland required to consider |
| Respiratory system | Lung texture analysis for measuring interstitial lung diseases | NICE Medtech Innovation Briefing | August 2021 | For information only |
| | Automated oxygen titration/administration systems for hospitalised patients who require oxygen | HTW Topic Exploration Report | September 2021 | For information only |

Acknowledgements

This bulletin was developed by SHTG in collaboration with Health Technology Wales (HTW).

Area of work categorisation list

| | | |
|----------------------------------|--------------------------------|--|
| Blood and immune system | Cancer | Cardiovascular System |
| Caring for older people | COVID-19 | Dermatology |
| Digestive system | Ear, nose and throat | Endocrine, nutritional and metabolic |
| Eye | Genitourinary system | Health service organisation and delivery |
| Infectious disease | Injuries, accidents and wounds | Learning disability |
| Mental and behavioural disorders | Mouth and dental | Musculoskeletal system |
| Nervous system | Obstetrics and gynaecology | Paediatrics |
| Palliative care | Patient experience | Physical disability |
| Public health | Respiratory system | |