



# Advice on Health Technologies Quarterly Bulletin | July 2020

## What is the purpose of this bulletin?

This bulletin is produced by Health Technology Wales (HTW) to support decision making on health technologies within NHS Wales. The bulletin lists advice and guidance on health technologies published in April–June 2020 by HTW. It also includes recent technology assessments undertaken by other HTA agencies across the UK, Ireland and Europe.

## 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 specialties are covered this quarter?

Cardiothoracic surgery .....	2	Gastroenterology .....	5
Trauma and orthopaedics .....	2	Infectious diseases .....	5
Urology .....	3	Intensive care medicine.....	5
Anaesthetics .....	3	Medical microbiology .....	5
Clinical genetics .....	3	Neurology .....	6
Clinical haematology .....	3	Respiratory Medicine .....	6
Clinical immunology .....	4	Clinical oncology .....	7
Clinical physiology.....	4	Other .....	8
Endocrinology and diabetes .....	4		

Advice and guidance is ordered by specialty, categorisation [follows the main specialties listed here](#).

## What advice is NHS Wales required to consider?

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

## What next?

- If any of the technology assessments listed are of relevance to current policy, planning and clinical decisions within NHS Wales and you would like to discuss their relevance, please contact HTW: <https://www.healthtechnology.wales/contact/#>
- If you would like to refer a technology to HTW for assessment, please complete the 'Suggest a topic' submission form: <https://www.healthtechnology.wales/suggest-a-topic/>

## Surgical Specialties

Speciality	Technology Assessment	Agency/ Product	Published	Status in NHS Wales	Link
Cardiothoracic surgery	Transcatheter aortic valve implantation for the treatment of patients with severe symptomatic aortic stenosis who are at intermediate surgical risk	HTW Evidence Appraisal Report <sup>3</sup>	In progress (September 2020 Appraisal Panel)	Once published, NHS Wales should adopt this guidance or justify why it has not been followed	<a href="#">Link here</a>
	Endobronchial valve implantation for treatment of emphysema <i>Requested by: PulmonX International (Zephyr® device manufacturer)</i>	Scottish Health Technologies Group (SHTG) Recommendation <sup>1</sup>	In progress (anticipated October 2020)	For information only	<a href="#">Link here</a>
	Archimedes for biopsy of suspected lung cancer	National Institute for Health and Care Excellence (NICE) Medtech Innovation briefing 211 <sup>3</sup>	June 2020	For information only	<a href="#">Link here</a>
	Intravascular lithotripsy for calcified coronary arteries during percutaneous coronary intervention	Interventional procedures guidance 673 <sup>2</sup>	June 2020	For information only	<a href="#">Link here</a>
Trauma and orthopaedics	HemaClear exsanguination tourniquet to provide a bloodless surgical field during limb surgery	HTW Topic Exploration Report <sup>5</sup>	April 2020	For information only	<a href="#">Link here</a>

<sup>1</sup>**SHTG recommendations** - developed by a national committee in consultation with stakeholders. Clinical effectiveness, safety, cost effectiveness, patient and public views, professional expert views, and social and organisational implications are considered

<sup>2</sup>**NICE Interventional Procedures Guidance** - covers procedures used for diagnosis or treatment, considers if they are safe and work well enough for wider use

Urology	Living Kidney Donor Transplantation <i>Requested by: NHS National Services Scotland</i>	SHTG Assessment (economic evaluation) <sup>12</sup>	In progress (unknown)	For information only	<a href="#">Link here</a>
	Rezum for treating lower urinary tract symptoms secondary to benign prostatic hyperplasia	NICE Medical Technologies Guidance 49 <sup>11</sup>	June 2020	For information only	<a href="#">Link here</a>

## Medical Specialities

Speciality	Technology Assessment	Agency/Product	Published	Status in NHS Wales	Link
Anaesthetics	Extracorporeal shockwave therapy for the treatment of musculoskeletal conditions	HTW Evidence Appraisal Report <sup>3</sup>	In progress (November 2020 Appraisal Panel)	Once published, NHS Wales should adopt this guidance or justify why it has not been followed	<a href="#">Link here</a>
Clinical genetics	Pharmacogenomics/ dihydropyrimidine dehydrogenase (DYPD) gene testing prior to selected cancer treatment <i>Requested by: National Specialist &amp; Screening Directorate</i>	SHTG Assessment <sup>12</sup>	In progress (anticipated September 2020)	For information only	<a href="#">Link here</a>
Clinical haematology	Convalescent plasma therapy for patients with COVID-19	HTW Topic Exploration Report <sup>5</sup>	May 2020	For information only	<a href="#">Link here</a>
	Convalescent plasma: a costing review	HTW Costing review <sup>4</sup>			<a href="#">Link here</a>

<sup>3</sup> **HTW Evidence Appraisal Report** - based on rapid systematic literature searches, with the aim of published evidence identifying the best clinical and economic evidence to inform guidance

<sup>4</sup> **HTW costing review**: economic evaluation

	Point of care haemolysis detection in blood samples that may be deemed unfit for laboratory analysis	HTW Evidence Appraisal Report <sup>3</sup>	In progress (September 2020 Appraisal Panel)	Once published, NHS Wales should adopt this guidance or justify why it has not been followed	<a href="#">Link here</a>
Clinical immunology	Cytokine adsorbers for the treatment of cytokine storm in people with severe coronavirus infection	HTW Topic Exploration Report <sup>5</sup>  Included in <a href="#">NICE Medtech Innovation Briefing 217</a> <sup>13</sup>	April 2020	For information only	<a href="#">Link here</a>
	Autologous haematopoietic stem cell transplantation for previously treated, relapsing-remitting multiple sclerosis	HTW Evidence Appraisal Report <sup>3</sup>	In progress (July 2020 Appraisal Panel)	Once published, NHS Wales should adopt this guidance or justify why it has not been followed	<a href="#">Link here</a>
Clinical physiology	Pre-operative cardiopulmonary exercise testing for people in whom major abdominal surgery is planned	HTW Evidence Appraisal Report <sup>3</sup>	In progress (July 2020 Appraisal Panel)	Once published, NHS Wales should adopt this guidance or justify why it has not been followed	<a href="#">Link here</a>

<sup>5</sup> **HTW Topic Exploration Report** - designed to provide a high-level briefing on new topics submitted for consideration by HTW

Endocrinology and diabetes	Continuous Glucose Monitoring in Pregnancy <i>Requested by: Scottish Diabetes Group</i>	SHTG Scottish Adaptation <sup>6</sup> of HTW Guidance <sup>7</sup>	SHTG: in progress (anticipated October 2020)	For information only	No link available
			HTW: September 2019	<b>NHS Wales should adopt this guidance or justify why it has not been followed</b>	HTW link <a href="#">here</a>
	Remote monitoring of blood glucose in women with gestational diabetes	HTW Evidence Appraisal Report <sup>3</sup> (report of the evidence but no guidance)	May 2020	For information only	Link <a href="#">here</a>
	Actim Pancreatitis for diagnosing acute pancreatitis	NICE Medtech Innovation Briefing 218 <sup>13</sup>	June 2020	For information only	Link <a href="#">here</a>
Gastroenterology	Colon capsule endoscopy/SCOTC AP <i>Requested by: NHS National Services Scotland</i>	SHTG Recommendation <sup>1</sup>	In progress (anticipated August 2020)	For information only	Link <a href="#">here</a>
	FibroScan for assessing liver fibrosis and cirrhosis in primary care	NICE Medtech Innovation Briefing 216 <sup>13</sup>	June 2020	For information only	Link <a href="#">here</a>
Infectious diseases	Hydrogen peroxide vapour to reprocess single-use personal protective equipment	HTW Topic Exploration Report <sup>5</sup>	May 2020	For information only	Link <a href="#">here</a>
	Safety of personal protective equipment gowns for health and social care workers	HTW Topic Exploration Report <sup>5</sup>	May 2020	For information only	Link <a href="#">here</a>

<sup>6</sup> **SHTG Scottish Adaptation** – considers applicability to NHSScotland of an HTA conducted elsewhere in the UK or internationally.

<sup>7</sup> **Health Technology Wales Guidance** – summarises key evidence and implications for the health technology in Wales

	Effectiveness of tests that detect SARS-CoV-2 virus or antibodies to SARS-CoV-2, to inform COVID-19 diagnosis <i>Produced for Welsh Government, and Health and Social Care in Wales</i>	HTW rapid review <sup>8</sup>	May 2020	For information only	<a href="#">Link here</a>
Intensive care medicine	Tests to help assess risk of acute kidney injury for people being considered for critical care admission (ARCHITECT and Alinity i Urine NGAL assays, BioPorto NGAL test and NephroCheck test)	NICE Diagnostics guidance 39 <sup>9</sup>	June 2020	For information only	<a href="#">Link here</a>
Medical microbiology	MolecuLight i:X for wound imaging	NICE Medtech Innovation Briefing 212 <sup>13</sup>	June 2020	For information only	<a href="#">Link here</a>
	Rapid antigen detecting tests for diagnosing group A streptococcal infections in the community pharmacy setting	HTW Evidence Appraisal Report <sup>3</sup>	In progress (September 2020 Appraisal Panel)	Once published, NHS Wales should adopt this guidance or justify why it has not been followed	<a href="#">Link here</a>
Neurology	Hypoglossal nerve stimulation systems for treatment of obstructive sleep apnoea	EUneHTA Collaborative Assessment <sup>10</sup>	In progress (June 2020)	For information only	<a href="#">Link here</a>
	GammaCore for cluster headache	SHTG Scottish Adaptation <sup>6</sup> of NICE medical technologies	In progress (anticipated October 2020)	For information only	No link available

<sup>8</sup> **HTW rapid review** - provide a balanced overview of the evidence base, but are not underpinned by exhaustive literature searches due to the short timescales in which they are produced

<sup>9</sup> **NICE Diagnostic guidance** - evaluates new, innovative diagnostic technologies. It includes all types of measurements and tests that are used to evaluate a patient's condition.

<sup>10</sup> **European Network for Health Technology Assessment (EUneHTA)** - assessments produced by an EU collaborative HTA programme of which SHTG is a member.

		guidance (MTG46) <sup>11</sup>			
Respiratory medicine	Oscillating positive expiratory pressure devices for airway clearance in chronic hypersecretory lung conditions	HTW Evidence Appraisal Report <sup>3</sup>	In progress (November 2020 Appraisal Panel)	Once published, NHS Wales should adopt this guidance or justify why it has not been followed	<a href="#">Link here</a>
	Cytokine adsorption devices for treating respiratory failure in people with COVID-19	NICE Medtech Innovation briefing 217 <sup>13</sup> <a href="#">HTW Topic Exploration Report 201</a> <sup>5</sup> included in NICE MIB <sup>13</sup>	May 2020	For information only	<a href="#">Link here</a>
	PneuX to prevent ventilator-associated pneumonia	NICE Medical Technologies Guidance <sup>11</sup>	April 2020	For information only	<a href="#">Link here</a>
	Point-of-care lung ultrasound imaging for suspected and confirmed cases of COVID-19	HTW Topic Exploration Report <sup>5</sup>	June 2020	For information only	<a href="#">Link here</a>
	Oximetry to guide COVID-19 management	HTW Rapid Review <sup>8</sup>	June 2020		<a href="#">Link here</a>

## Radiology

Speciality	Technology Assessment	Agency/Product	Published	Status in Scotland/Wales	Link
Clinical oncology	Rectum spacers (i.e. spaceOAR) to reduce toxicity during radiotherapy for prostate cancer	EUnetHTA Collaborative Assessment <sup>10</sup>	In progress (June/July 2020)	For information only	<a href="#">Link here</a>

<sup>11</sup> NICE Medical Technologies Guidance - evaluates new, innovative medical devices and diagnostics for NHS England.

	Strategic investment in MRI Simulators for radiotherapy services in Scotland <i>Requested by: National Radiotherapy Technical, Specification and Evaluation Group (TSE)</i>	SHTG Assessment <sup>12</sup>	May 2020	For information only	<a href="#">Link here</a>
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## Other

Speciality	Technology Assessment	Agency/Product	Published	Status in Scotland/Wales	Link
Other	Knowledge-based clinical decision support systems <i>Requested by: Scottish Government</i>	SHTG Assessment <sup>12</sup>	April 2020	For information only	<a href="#">Link here</a>
	myCOPD for self-management of chronic obstructive pulmonary disease	NICE Medtech Innovation briefings <sup>13</sup>	April 2020	For information only	<a href="#">Link here</a>
	Lifelight First for monitoring vital signs	NICE Medtech Innovation briefings <sup>13</sup>	April 2020	For information only	<a href="#">Link here</a>
	Space from Depression for treating adults with depression	NICE Medtech Innovation briefings <sup>13</sup>	May 2020	For information only	<a href="#">Link here</a>
	Virtual reality for exercise plan management	HTW Topic Exploration Report <sup>5</sup>	May 2020	For information only	<a href="#">Link here</a>
	Virtual reality therapy for the management of procedure-related pain	HTW Evidence Appraisal Report <sup>3</sup> (report of the evidence but no guidance)	May 2020	For information only	<a href="#">Link here</a>
	Virtual reality as a tool to facilitate virtual group therapy support clinics or group psychological support	HTW Topic Exploration Report <sup>5</sup>	June 2020	For information only	<a href="#">Link here</a>

## Acknowledgements

This bulletin was developed by HTW with support from the Scottish Health Technologies Group (SHTG).

<sup>12</sup>**SHTG Assessment** - Bespoke reviews of health technologies to inform policy and practice across NHSScotland.

<sup>13</sup>**NICE Medtech Innovation Briefings** - Briefings offer support for considering using new medical devices and other medical or diagnostic technologies.