

**Health Technology Assessment Program
Selected Technologies 2022**

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No public comments were received on the 2022 prospective topics.

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STATE OF WASHINGTON
HEALTH CARE AUTHORITY

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March 28, 2022

To whom it may concern:

SUBJECT: Topic selected for review by HTA program

As the director of the Washington State Health Care Authority, I select technologies for review by the Health Technology Clinical Committee in consultation with other agencies and the committee itself (70.14 RCW). Technologies are selected when there are concerns about safety, efficacy, or value (cost-effectiveness), when state expenditures are or could be high, and when there is adequate evidence to conduct a review. Technologies are selected for re-review when new evidence is available that could change a previous determination.

Transcranial magnetic stimulation is a non-invasive technique that does not require anesthesia and delivers intense magnetic pulses into the brain. It can be used as a possible alternative for patients who cannot have electroconvulsive therapy. The aim is to stimulate the area of the brain associated with mood regulation. Certain studies and meta-analyses suggest that TMS may be an effective treatment for generalized anxiety disorder, obsessive compulsive disorder, depression, post-traumatic stress disorder, and smoking cessation. Therefore, I have selected **Transcranial magnetic stimulation for behavioral therapy** for review by the Health Technology Clinical Committee.

Upon publication of this notice to review **Transcranial magnetic stimulation for behavioral therapy**, a 30-day comment period will begin. Any interested person or group may provide information to be considered in the review of the selected topic.

Should you have any questions or concerns, please contact the HTA program by email at shtap@hca.wa.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Susan Birch", written over a light blue circular stamp.

Susan E. Birch, MBA, BSN, RN
Director

By email

Technologies selected

		Safety	Efficacy	Cost
1	Transcranial Magnetic Stimulation (TMS) Therapy	Low/Med	Med/High	Med/High
	Policy context/reason for selection: Transcranial magnetic stimulation is a non-invasive technique that does not require anesthesia and delivers intense magnetic pulses into the brain. The aim is to stimulate the area of the brain associated with mood regulation. Certain studies and meta-analyses suggest that TMS may be an effective treatment for generalized anxiety disorder, obsessive compulsive disorder, depression, post-traumatic stress disorder, and smoking cessation.			

Technologies considered, not proposed

	Technology
1	Matrix-induced autologous chondrocyte implantation (MACI) for cartilage repair in the knee
2	Transcutaneous electrical nerve stimulation (TENS) for insomnia, anxiety, & depression – (potential rereview)
3	Extracorporeal membrane oxygenation (ECMO) – (potential rereview)
4	Wearable event monitors for cardiac arrhythmias
5	Sacral nerve stimulation for bladder dysfunction/control

Technologies considered for re-review:

Technologies are considered for re-review at least every eighteen months based on availability of new evidence that may change the decision (*detailed criteria are included below*). All technologies with determinations beyond 18 months since the final determination previously reviewed by the Health Technology Clinical Committee (HTCC) are listed below, along with information on whether they have been selected for re-review.

	Technology	Originally reviewed	Recommended for re-review
1	Stereotactic Radiation Surgery and Stereotactic Body Radiation Therapy	November 2012	TBD
	Petition for rereview submitted by stakeholder. Formal literature search in process.		
2	Hyaluronic Acid/Viscosupplementation	May 2010	TBD
	Informal literature scan in process to determine if new evidence is available.		

The HTA program has not received or identified new evidence to support review of the following for at least 18 months.

HTA Decisions	Original Review	Latest Review/ Scan
Applied Behavioral Analysis (ABA or ABA Therapy) Based Behavioral Interventions for the Treatment of Autism Spectrum Disorder	2011	June 2011
Appropriate Imaging for Breast Cancer Screening in Special Populations	2015	January 2015
Artificial Disc Replacement	2008	January 2017
Autologous Blood/Platelet-Rich Plasma Injections	2016	May 2016
Bariatric Surgery	2007	May 2015
Bone Growth Stimulation	2009	August 2009
Bone Morphogenic Proteins for Use in Lumbar Fusion	2012	March 2012
Breast MRI	2010	August 2010
Bronchial Thermoplasty for Asthma	2016	May 2016
Cardiac Stents	2009	January 2016
Carotid Artery Stenting	2013	September 2013
Catheter Ablation Procedures for Supraventricular Tachyarrhythmia (SVTA) Including Atrial Flutter, Atrial Fibrillation	2013	May 2013
Cell-Free DNA Prenatal Screening for Chromosomal Aneuploidies (cfDNA)	2020	January 2020
Cervical Spinal Fusion for Degenerative Disc Disease	2013	March 2013
Cochlear Implants: Bilateral Versus Unilateral	2013	May 2013
Computed Tomographic Colonography (CTC)	2008	February 2008
Continuous Glucose Monitoring	2011	January 2018
Coronary Artery Calcium Scoring	2010	May 2020
Discography	2008	February 2008
Electrical Neural Stimulation (ENS)	2009	October 2009
Extracorporeal Membrane Oxygenation Therapy (ECMO)	2016	March 2016
Extracorporeal Shock Wave Therapy (ESWT) for Musculoskeletal Conditions	2017	March 2017
Facet Neurotomy	2014	June 2020
Fecal Microbiota Transplantation	2016	November 2016
Functional Neuroimaging for Primary Degenerative Dementia and Mild Cognitive Impairment	2015	January 2015
Gene Expression Profile Testing of Cancer Tissue	2018	March 2018
Genomic Microarray Testing	2018	January 2018
Hip Resurfacing	2013	November 2013

HTA Decisions	Original Review	Latest Review/ Scan
Hip Surgery for Femoroacetabular Impingement (FAI) Syndrome	2011	November 2019
Hyperbaric Oxygen Therapy (HBOT) for Tissue Damage Including Wound Care and Treatment of Central Nervous System (CNS) Conditions	2013	March 2013
Imaging for Rhinosinusitis	2015	May 2015
Implantable Drug Delivery System for Chronic Non-Cancer Pain	2008	August 2008
Intensity Modulated Radiation Therapy (IMRT)	2012	September 2012
Knee Arthroscopy for Osteoarthritis of the Knee	2008	August 2008
Lumbar Fusion for Degenerative Disc Disease	2007	November 2015
Microprocessor-Controlled Lower Limb Prosthetics	2011	November 2011
Negative Pressure Wound Therapy (NPWT) for Home Use	2016	November 2016
Nonpharmacologic Treatments for Treatment Resistant Depression	2014	March 2014
Osteochondral Allograft/Autograft Transplantation (OAT)	2012	January 2018
Peripheral Nerve Ablation for Limb Pain	2019	January 2019
Pharmacogenetic Testing for Patients Being Treated with Oral Anticoagulants	2018	May 2018
Pharmacogenomic Testing for Selected Conditions	2017	January 2017
Positron Emission Tomography (PET) Scans for Lymphoma	2011	November 2018
Proton Beam Therapy	2014	May 2019
Robotic Assisted Surgery (RAS)	2012	May 2012
Routine Ultrasound for Pregnancy	2010	November 2010
Screening & Monitoring Tests for Osteopenia/Osteoporosis	2014	November 2014
Selected Treatments for Varicose Veins	2017	May 2017
Sleep Apnea Diagnosis and Treatment in Adults	2012	March 2012
Spinal Cord Stimulation	2010	July 2018
Spinal Injections	2011	March 2016
Stem Cell Therapy for Musculoskeletal Conditions	2020	June 2020
Surgery for Lumbar Radiculopathy/Sciatica	2018	May 2018
Testosterone Testing	2015	March 2015
Tinnitus: Non-Invasive, Non-Pharmacologic Treatments	2020	May 2020
Total Knee Arthroplasty	2010	October 2010
Tumor Treating Fields (Optune)	2016	November 2018
Tympanostomy Tubes in Children	2015	November 2015
Upper Endoscopy for GERD and GI symptoms	2012	May 2012
Upright /Positional MRI	2007	June 2012

HTA Decisions	Original Review	Latest Review/ Scan
Vagal Nerve Stimulation for Epilepsy and Depression	2009	May 2020
Vertebroplasty, Kyphoplasty and Sacroplasty	2011	May 2020
Vitamin D Screening and Testing	2012	November 2012
Whole Exome Sequencing	2019	November 2019