

# Surgery SCN Evidence Decision Support Program

## EDSP PROJECTS

The **Surgery Strategic Clinical Network Evidence Decision Support Program (EDSP)** is an interdisciplinary team that helps make evidence-informed decision regarding the introduction of new health technologies into the health system. As part of the Surgery SCN, the EDSP is able to guide decisions on the responsible introduction of health technologies in context and encourages the best use for both patients and clinicians, including Routine, Urgent, Off-label and Special Access Requests. It is a collaborative effort that brings all key stakeholders into the conversation about safety, effectiveness, resources stewardships, feasibility, quality improvement, innovation, training and credentialing, equity and fairness. The EDSP is at the interface between evidence-based medicine, health economics, organizational impact, values and decision making processes for advancing the effective uptake of knowledge into clinical practice.

**New Product Request:** 1) The technology represents a minor change from current practice; 2) The technology does not have legal or contractual issues; 3) The item or a similar item may already be on purchase contract and/or utilized within the Zone and/or a change of vendor is being requested; 4) The technology request is within financial means of the program. 5) The change is budget neutral.

**New Health Technology Request:** The technology will be assessed by the EDSP: 1) if it represents a significant change of practice; 2) if there are significant uncertainties about the technology's clinical safety, efficacy or effectiveness 3) if there is uncertainty about its impact on finances or resources; 4) has a new anatomical approach; 5) is a new surgical or endoscopic procedure; 6) requires new surgical training; 7) has a different risk profile and/or 8) target patient population

Unsure if the EDSP can help? You can contact the EDSP Research Scientist at [tara.klassen@ahs.ca](mailto:tara.klassen@ahs.ca) or [EDSP@ahs.ca](mailto:EDSP@ahs.ca) with any questions. The EDSP is here to support your decision-making needs through our range of pathways.

## Overview of EDSP Pathways (hyperlinks to Project Tables)

- Health Technology Requests ([HTR](#))
  - Provide a full evaluation of technologies, a singular innovation or intervention, that are significant change compared to current practice. New health technologies in surgery undergoing a Full or Graduated EDSP Pathway are evaluated for clinical and cost-effectiveness and include a budget and operations impact analysis. Modified and expedited review pathways for Urgent, Off-label, and Special Access Requests are available.
- Evidence Package ([EP](#))
  - Similar to the HTR Pathway providing a comprehensive evidence assessment, guideline evaluations and recommendations on the impact of a category of technologies or interventions in the context of Alberta.
- Technology Checks ([TC](#))
  - Fast, offering a review of routinely used technologies and devices to inform site decision making including class I medical devices and devices already used within AHS/Covenant.
- Quality Improvement Project ([QIP](#))
  - A consultation model providing a review of available research and systems evidence not requiring a formal deliverable but supporting decision-making needs at a site/program level.
- Change Improvement Project ([CIP](#))
  - A consultation model similar to the QIP but requires a formal deliverable or package designed to match decision maker needs at a site, zone, program or provincial level.



## List of EDSP Health Technology Requests (HTR) & Evidence Packages (EP)

### PROJECT INTAKE 2020 (HTR YY# Project ID)

Project Name	Phase 1: evaluations provide recommendations as to whether a technology should be implemented or further evaluated in a live trial.	Phase 2: collects evidence and reports on clinical outcomes and operations, impact pre and post deployment to further inform AHS decision-makers
HTR200: Transanal Total Mesorectal Excision (TaTME) for Colon Cancer Surgery Report & Recommendations	Complete (2020); Report Available	Complete
HTR201: Medical Thoracoscopy for Undiagnosed Pleural Effusions Report & Recommendations	Complete (2020); Report Available	Ongoing
HTR202i: Disinvest in wire guided localizations and to implement a radioisotope based and/or a magnetic based localization system for Breast Cancer Programs in Alberta Interim Report & Recommendations	Complete (2020); Report Available	Health Technology Trial Initiated + Collaboration with Provincial DI/Rad
HTR203: Pre-operative Photodisinfection by Steriwave Nasal Decolonization for the Prevention of Surgical Site Infections Report & Recommendations	Complete (2021); Report Available	Not Approved
HTR203EP: Pre-operative Nasal Decolonization for the Prevention of Surgical Site Infections Evidence Package A Supplementary Report To: EDSP HTR203	Complete (2021); Report Available	
HTR204: Negative Pressure Wound Therapy for Surgical Site Infections Preventions	Ongoing	
HTR 205: Intraocular Implants for Infants Under One Year of Age	Ongoing	

### PROJECT INTAKE 2021 (HTR YY# Project ID)

Project Name	Phase 1: evaluations provide recommendations as to whether a technology should be implemented or further evaluated in a live trial.	Phase 2: collects evidence and reports on clinical outcomes and operations, impact pre and post deployment to further inform AHS decision-makers
HTR211: Restricted Use Sugammadex Program for Improved Perioperative Efficiency and Patient Outcomes in Alberta	Ongoing Collaboration with Drugs and Therapeutics Committee; Report Available (2021)	
HTR212i: Xen Gel Stent for Minimal Invasive Glaucoma Surgery (MIGS) for Moderate to Severe Glaucoma	Ongoing	
URGENT HTR213U: Inspiris Resilia Bioprosthetic Aortic Valve (Edwards Lifesciences) Report & Recommendations	Complete (2021); Report Available	
HTR214i: 7D Surgical System Machine Vision Image Guidance Technology (MvIGS) for Cranial and Spinal Navigation Interim Report & Recommendations	Complete (2021); Report Available	Ongoing

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HTR215i: iStent and iStent Inject Trabecular Micro-bypass for Mild to Moderate Glaucoma	Ongoing	
HTR 216: Mako Robotics for Arthroplasty	Ongoing; Collaboration with Bone & Joint Health SCN	
HTR217EP: Robot Assisted Surgery for Orthopaedics Evidence Package	Ongoing; Collaboration with Bone & Joint Health SCN	
URGENT HTR218U: Ojemann Cortical Stimulator 1 (OCS1) with Off-label OCS2 Probe (IntegraLife)	Ongoing	
URGENT HTR219U: Boston Keratoprosthesis Type 1 Corneal Implant for Severe Corneal Opacity (Massachusetts Eye and Ear Infirmary)	Ongoing	
HTR2110: C2 Xplore Cortical Stimulator and C2 NeuroMonitor (Inomed Medizintechnik GmbH) for for Brain and Nerve Mapping during Surgery	Ongoing	
HTR2111: Iovera (Pacira) Handheld Cryoablation of Peripheral Nerves for Pain Management	Ongoing	
HTR2112: Spinal Chloroprocaine (Nesacaine) for Spinal Anesthesia	Ongoing	
HTR2113: Peripheral Nerve Stimulator for Acute Post-operative Pain	Ongoing	
HTR2114: Full Endoscopic Spine Surgery (RIWOspine) for Lumbar Decompression	Ongoing; Collaboration with Bone & Joint Health SCN	
HTR2115: Hydrus (Ivantis) Microstent for open-angle glaucoma	Ongoing	
HTR2116: C2 Xplore and C2 NeuroMonitor for Throat Surgery (Inomed Medizintechnik GmbH)	Ongoing	
HTR2117: ROTEM rotational thromboelastometry for coagulation in Trauma Surgery (Inomed Medizintechnik GmbH)	Ongoing	
HTR2118: Ryanodex (dantrolene sodium nanosuspension) for Malignant Hyperthermia	Ongoing – Not licensed in Canada: Collaboration with Drugs & Therapeutics Committee	
HTR2119: Intravenous Acetaminophen for the Management of Short-Term Post-Operative Pain (ACTIVE-Dr. Alayne Farries; Dr. Gary Dobson for Provincial Anesthesia & Pain)	Ongoing –Collaboration with Drugs & Therapeutics Committee & Provincial Pain Strategy	
HTR2120: Acumen Hypotension Prediction Index (HPI) software on HemoSphere advanced monitoring platform using Acumen IQ cuff (noninvasive) and Acumen IQ sensor (minimally-invasive)	Ongoing: Collaboration with Cardiac ERAS in AB	
HTR2121: Zimmer Biomet ROSA robotic knee surgery (ACTIVE)	Ongoing; Collaboration with Bone & Joint Health SCN	
HTR2122: Rezum Water Vapor Therapy for BPH Enlarged Prostate	Ongoing	

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HTR2123: Regeneten (Smith & Nephew) Bioinductive Shoulder Implant	Ongoing: Collaboration with Grey Nuns OPEC	
<b>PROJECT INTAKE 2022 (HTR YY# Project ID)</b>		
<b>Project Name</b>	<b>Phase 1: evaluations provide recommendations as to whether a technology should be implemented or further evaluated in a live trial.</b>	<b>Phase 2: collects evidence and reports on clinical outcomes and operations, impact pre and post deployment to further inform AHS decision-makers</b>
HTR221: Blue-Zone Technologies (Deltasorb and Centralsorb) Anesthetic Collection Service for Greener Anesthesia	Ongoing	
HTR222: Neochord Minimally Invasive Mitral Valve Repair	Ongoing	
HTR223: HUGO (Medtronic) Robot Assisted Surgery for Thoracics	Ongoing	
HTR224: Mitraclip for Palliative Mitral Valve Repair	Ongoing	
HTR225EP: Evidence Package Noninvasive Cardiac Surgery Program for Alberta	Ongoing	
HTR226: VELYS Robot for Knee Arthroscopic Surgery (DepuySynthes)	Ongoing: Collaboration with Bone & Joint Health SCN	
HTR227: DaVinci Intuitive Xi Robot	Ongoing	
HTR228: Preserflo Microshunt Glaucoma Drainage Device (Glaukos)	Ongoing	
HTR229: Mazor Robot for Spine Surgery (Medtronic)	Ongoing: Collaboration with Bone & Joint Health SCN	
HTR2210: Abclo Non-invasive Open Abdomen Closure	Ongoing	
HTR2211EP: Closure for Open Abdomens in Alberta	Ongoing	
HTR2212: Hemosphere (Edwards) advanced monitoring platform to replace EV1000	Ongoing	

## List of EDSP Technology Checks (TC)

### PROJECT INTAKE 2021 (TC YY## Project ID)

Project Name	Original Technology Check Report	Updated Versions (with site feedback)
TC2101: External Female Catheter Systems (Primafit) in Alberta to Prevent CAUTI	Complete (2021); Report Available	
TC2102: ClipVac Presurgical Vacuum Hair Removal System	Complete (2021); Report Available	Ongoing (version 2)

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TC2103: Thunderbeat (Olympus) for Ultrasonic and Radiofrequency-powered Cutting and Sealing	Complete (2021); Report Available	
TC2104: Situate Detection System (Medtronic) for Detection of Situate RF tagged Surgical Cotton	Complete (2021); Report Available	
TC2105: Konect Resilia Aortic Valved Conduit (Edwards Lifescience)	Ongoing	
TC2106: Vacuum Bell Device for Pectus Excavatum in Pediatric Patients	Ongoing	
TC2107: Mitris Resilia Mitral Valve (Edwards Lifesciences)	Ongoing	
TC2108: PurpleSun E300 Whole Room UV System (PurpleSun Healthcare Technology) for Preventing Healthcare associated Infections	Complete (2022); Report Available	
TC2109: Cryolce for Pediatric Pain Control in Nuss and Pectus Excavatum Procedures	Ongoing	
TC2110: Arthrex CapsuleClose Scorpion Suture Passer for Hip	Ongoing: Collaboration with MCHC OPEC	

### List of Quality Improvement Projects (QIP)

#### PROJECT INTAKE 2021 (QIPYY##ZONE Project ID)

Project Name	Evidence Review Status	Updates Available
QIP2101SSCN: Restocking Malignant Hyperthermia Carts in response to discontinuation of 60 ml syringes	Complete	

#### PROJECT INTAKE 2022 (QIPYY##ZONE Project ID)

QIP2201SSCN: Evidence for Closing Bundles with Emphasis on (new) Closing Trays	Complete	
QIP2202SSCN: Evidence for Use of Digital Imaging (Smart Phones) for SSI	Complete	
QIP2203SSCN: Digital Technologies for Rural Surgery	Complete	
QIP2201EZ: Evidence for Antibiotic Sutures for SSI Prevention	Complete	

## List of Change Improvement Projects (CIP)

### PROJECT INTAKE 2021 (CIPYY##ZONE Project ID)

Project Name	Evidence Review Status	Updates Available
CIP2101CZ: Code66 Step Down Unit (High Risk Pathway) for McCaig PACU	Ongoing	

### PROJECT INTAKE 2022 (CIPYY##ZONE Project ID)

CIP2201CZ: New Technology Request Form Revamp for FMC (and the Province)	Ongoing	
CIP2201SSCN: Timing of Surgery Post COVID-19 Infection	Complete <a href="#">Guidance For Surgery After COVID-19 Infection</a>	
CIP2202SSCN: Automated Dispensing Cabinet (Pyxis ES) Standardized Roles for Alberta	Complete; Collaboration with Provincial Pharmacy	
CIP2203SSCN: Remifentanyl Shortage in AB	Ongoing; Collaboration with Provincial Pharmacy	
CIP2204SSCN: Anesthesia Workforce Evidence Package	Ongoing	
CIP2205: Anesthesia TIV Pumps Standardization	Ongoing; Collaboration with Provincial Infusion Pump Quality and Safety Committee	

*Updated: March 9 2022*