Mayo Device Portfolio Summary

- Stem cell delivery device
- Metabolic disease treatment
- Heart-lung machine reservoir sensor
- Minimally invasive neurology/neurosurgery
- Ostomy (pouch/plug)
- Trans-oral retractor
- Aortic valve guide catheter
- Esophageal mucosa resection device
- Wireless medical monitoring platform (MS, PD)
- Catheter-based mitral valve repair
- Colonoscopy stapling device
- Ultrasound guided tissue repair (tendons)

- Esophageal replacement graft
- Implantable penile prosthesis
- Adjustible constriction device (surgical)
- Percutaneous access device for endoscopy
- Percutaneous aortic valve
- Full thickness gastric biopsy needle
- Temporary epicardial pacemaker
- Pressure wire for renal denervation
- Endoscopic therapies - obesity

- Magnetic joint off-loading (knee arthritis)\(^1\)
- Enhanced mapping and ablation (AF catheters)\(^1,2\)
- Trans-venous therapy for epilepsy\(^1,2\)
- Ablation system (asthma, COPD)\(^2\)
- Device for diastolic heart failure\(^2\)
- Implantable left ventricular assist device\(^2\)
- Stent and graft endothelialization\(^1\)
- Recurrent, long-term, localized drug delivery (pain)\(^2\)
- Percutaneous system for nerve electrode placement\(^2\)
- Left atrial appendage closure\(^2\)
- Therapeutic hypothermia system
- Pulmonary vein ablation device for AF\(^2\)
- Laparoscopic bowel retractor
- Epicardial pacing/sensing lead

- Ultrasound vibroacoustography (liver, breast, skin)
- Algorithm for prosthetic valve orientation
- Neuromodulation to treat syncope\(^1\)
- Sensor system for DBS optimization\(^1\)
- Bioartificial liver\(^1\)
- Device and system to treat atrial fibrillation\(^2\)
- Pacemaker/ICD lead and novel pacing site\(^1,2\)
- Therapeutic hypothermia device (pancreatitis)

- Mitral valve repair\(^1,2,4\)
- Left atrial appendage closure\(^1,2\)
- Magnetic resonance elastography\(^1\)
- MRI wrist coil
- Inflatable compression dressing\(^2\)
- Breath-hold monitor (CT biopsy)\(^2\)
- Rectal manometry\(^2\)
- Remote monitoring (cardiac/OSA)
- Neuromodulation for Obesity\(^1,4\)
- Neuromodulation for Pain\(^4\)
- Device for GERD\(^4\)
- Temporomandibular joint implant\(^2\)
- Enhanced storage of blood products\(^2\)
- Remote monitoring of serum analytes\(^4\)
- Pancreatitis therapy
- Neuromodulation for heart failure

\(^1\) Mayo DTF Funded \(^2\) Mayo ILP Funded \(^3\) MN Partnership Funded \(^4\) MMV fund