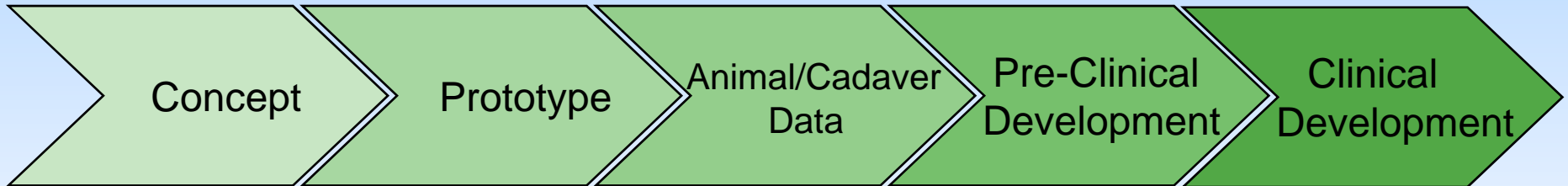


# Mayo Device Portfolio Summary

- 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)**

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



- Esophageal replacement graft
- Implantable penile prosthesis
- Adjustable 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)<sup>1</sup>**
- Enhanced mapping and ablation (AF catheters)<sup>1,2</sup>**
- Trans-venous therapy for epilepsy<sup>1,2</sup>**
- Ablation system (asthma, COPD)<sup>2</sup>**
- Device for diastolic heart failure<sup>2</sup>
- Implantable left ventricular assist device<sup>2</sup>
- Stent and graft endothelialization<sup>1</sup>
- Recurrent, long-term, localized drug delivery (pain)<sup>2</sup>
- Percutaneous system for nerve electrode placement<sup>2</sup>
- Left atrial appendage closure<sup>2</sup>
- Therapeutic hypothermia system
- Pulmonary vein ablation device for AF<sup>2</sup>
- Laparoscopic bowel retractor
- Epicardial pacing/sensing lead

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