

## SUPPLEMENTARY MATERIAL

### Pulmonary artery pressure sensor device performance in patients with atrial fibrillation/flutter

Muhammad Usman Almani,<sup>1\*</sup> Jafar Alzubi,<sup>2\*</sup> Muhammad Yousuf,<sup>3</sup> Razan Alrawashdeh,<sup>4</sup>  
Noor Fatima,<sup>5</sup> Mohammad Al Madani,<sup>6</sup> Raphael Bonita<sup>7</sup>

<sup>1</sup>Division of Cardiology, Jefferson Einstein Philadelphia Hospital, Philadelphia, PA, USA

<sup>2</sup>Division of Interventional Cardiology, Yale New Haven Hospital, New Haven, CT, USA

<sup>3</sup>Division of Hematology and Oncology, Mayo Clinic, Rochester, MN, USA

<sup>4</sup>Division of Cardiology, Heart and Vascular Institute, Detroit, MI, USA

<sup>5</sup>Division of Internal Medicine, Nishtar Medical College, Multan, Punjab, Pakistan

<sup>6</sup>Division of Interventional Cardiology, Jefferson Einstein Philadelphia Hospital, Philadelphia, PA, USA

<sup>7</sup>Division of Advanced Heart Failure and Transplant Cardiology, Jefferson Einstein Philadelphia Hospital, Philadelphia, PA, USA

\*These authors contributed equally to the manuscript.

**Corresponding author:** Muhammad Usman Almani, MD, Jefferson Einstein Philadelphia Hospital, 5501 Old York Road, Philadelphia, PA 19141, USA. Tel. +1.215.456-7890. E-mail: [usmanalmanimd@gmail.com](mailto:usmanalmanimd@gmail.com)

**Supplementary Table 1.** Diagnosis codes utilized in study.

Variables	ICD-10 CM/PCS codes
Pulmonary artery pressure sensor implantation	02HQ30Z, 02HR30Z
Atrial fibrillation/flutter	I48.x
Heart failure	I110, I509, I130, I132, I5020-23, I5030-33, I5040-43, I501, I5082, I5083, I5089, I5084, I50814, I50813, I50812, I50811, I50810
Heart Failure with reduced ejection fraction	I502x, I504x
Heart Failure with preserved ejection fraction	I503x
Right ventricular dysfunction	I5081x, I5082
Tricuspid regurgitation	I361, I071
Uncomplicated hypertension	I10
Complicated hypertension	I110, I119, I120, I129, I130, I1310, I1311, I132, I150, I151, I152, I158, I159
Diabetes mellitus	E08 - E13
Obesity	E66.x
Dyslipidemia	E78.x
Peripheral arterial disease	I739
Smoking	F17.x
COPD	J41.x, J42.x, J43.x, J44.x
Major depressive disorder	F32.x, F33.x
Alcoholism	F10.x
Protein energy malnutrition	E43, E440, E441
Non-rheumatic valvular heart disease	I34.x, I35.x, I36.x, I37.x
Rheumatic valvular heart disease	I05.x, I06.x, I07.x, I08.x
Anemia	D50.x, D51.x, D52.x, D53.x, D54.x, D55.x, D56.x, D57.x, D58.x, D59.x, D60.x, D61.x, D62.x, D63.x, D64.x
Presence of pacemaker	Z950
Presence of ICD	Z95810
Prior coronary artery bypass grafting	Z951
Prior percutaneous coronary	Z955

intervention	
Prior myocardial infarction	I252
Presence of prosthetic valve	Z952, Z953
Liver disease	K70x, K71x, K72x, K73x, K74x, K75x, K76x, K77x
Malignant cancers	Cx