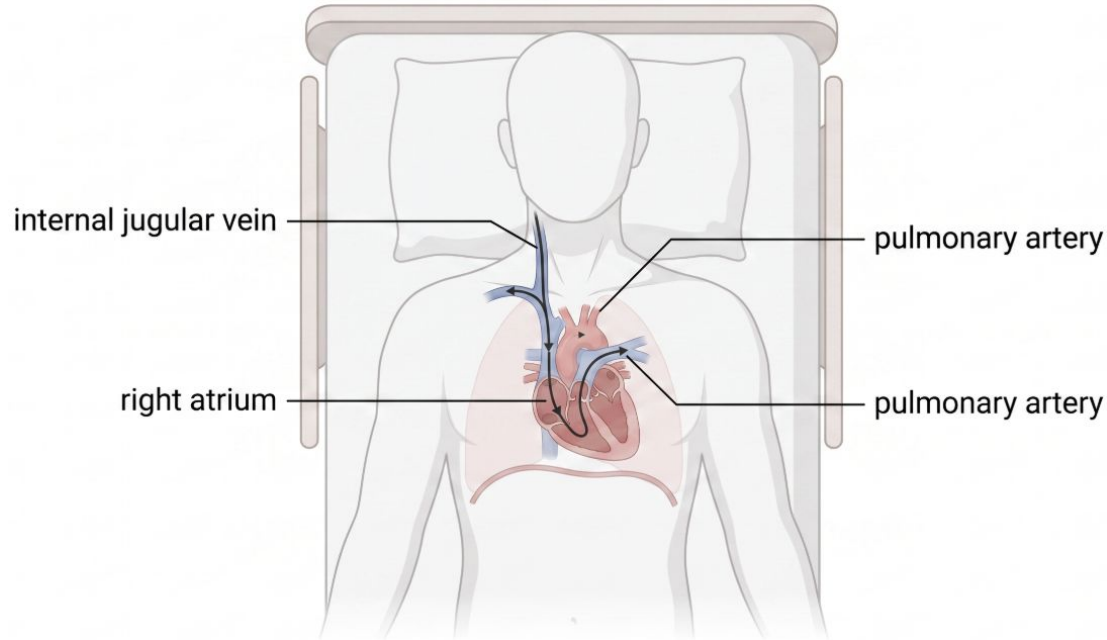
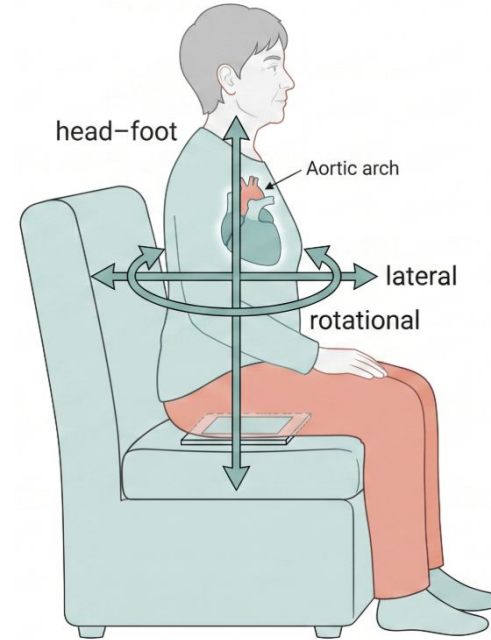


Your chair can hear your heart

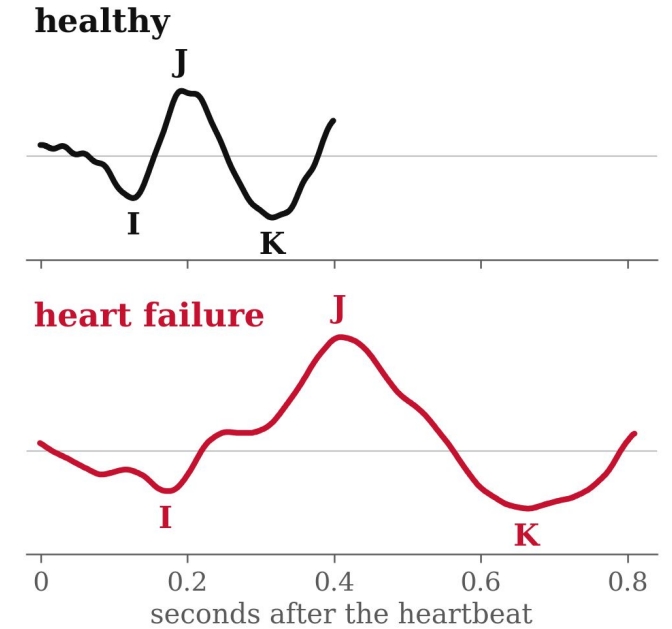
Jessica Fu¹ · Sara Parvaresh Rizi^{1,2} · Pranav Upreti¹ · Isaac Sung Jae Chang² (*Principal Investigator*)



Today: a catheter, in hospital



Ours: under a cushion



The signal we turn into energy

1 in 5

heart failure patients are back in hospital within 30 days — a rate unchanged for a decade

750,000 Canadians live with heart failure

10–30% of older patients have cognitive impairment, making it harder to consistently log symptoms or weight or operate complex devices.

Sources: Heart & Stroke Canada; Poon et al., CJC Open 2022;4:667–75; Huynh et al., Circ Heart Fail 2019;12:e006086

¹Department of Applied Science and Engineering, University of Toronto ²University Health Network

