

## **CGA/19/01 - B-type Natriuretic Peptide testing in acute heart failure. A re-evaluation of effective clinical thresholds in the emergency department**

Heart failure (HF) is a common and important cause of breathlessness that is often overlooked. Natriuretic peptides (NP's) are released from the heart and their measurement can assist in the diagnosis of HF. Current guidelines recommend a single decision limit (threshold) to rule out HF but age-specific thresholds may be more effective. We will undertake an individual patient level meta-analysis to evaluate the effectiveness of different thresholds by age and subgroups, and we will validate these in a prospective study. Our findings will inform a Scotland-wide stepped wedge cluster randomised trial to evaluate the effectiveness of NP's for the diagnosis of HF.