

CGA/17/53 - Molecular THoracic imAging and bioiNformatics Approaches TO Sudden death (THANATOS) Study

The primary aim of the current proposal is to determine whether ¹⁸F-fluoride PET CT imaging of coronary atherosclerotic plaques identifies areas of micro-calcification and plaque rupture in sudden death victims. This study will address the following questions:

- (1) Does coronary ¹⁸F-fluoride activity identify coronary plaque rupture in sudden cardiac death victims?
- (2) Does coronary ¹⁸F-fluoride activity co-localise to areas of microcalcification in coronary arteries?