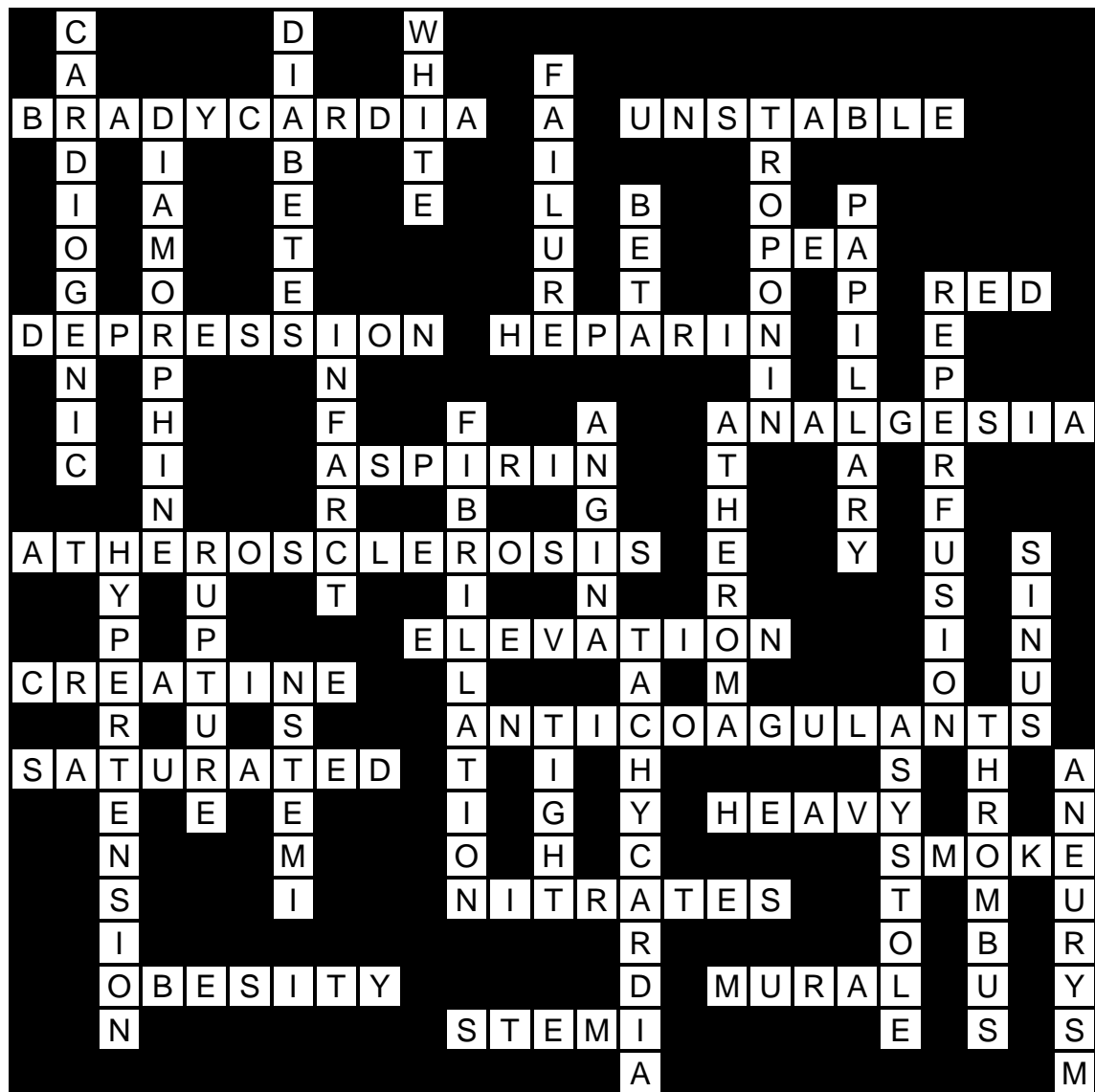


# Acute Cardiac Conditions

The crossword puzzle grid consists of 39 numbered starting points for clues. The grid is black and white, with black squares indicating non-letter positions. The numbers are as follows:

- 1: Down, Row 1, Column 1
- 2: Down, Row 1, Column 3
- 3: Down, Row 1, Column 5
- 4: Down, Row 2, Column 7
- 5: Across, Row 3, Column 1
- 6: Across, Row 3, Column 3
- 7: Across, Row 3, Column 9
- 8: Across, Row 3, Column 11
- 9: Down, Row 4, Column 8
- 10: Down, Row 4, Column 12
- 11: Down, Row 5, Column 10
- 12: Across, Row 6, Column 13
- 13: Across, Row 7, Column 1
- 14: Across, Row 7, Column 5
- 15: Across, Row 7, Column 7
- 16: Across, Row 8, Column 6
- 17: Across, Row 8, Column 8
- 18: Across, Row 8, Column 10
- 19: Across, Row 9, Column 4
- 20: Across, Row 10, Column 1
- 21: Across, Row 10, Column 2
- 22: Across, Row 10, Column 3
- 23: Across, Row 10, Column 14
- 24: Across, Row 11, Column 5
- 25: Across, Row 11, Column 7
- 26: Across, Row 12, Column 1
- 27: Across, Row 12, Column 4
- 28: Across, Row 13, Column 5
- 29: Across, Row 13, Column 6
- 30: Across, Row 13, Column 10
- 31: Across, Row 13, Column 11
- 32: Across, Row 14, Column 1
- 33: Across, Row 14, Column 14
- 34: Across, Row 15, Column 8
- 35: Across, Row 15, Column 11
- 36: Across, Row 16, Column 5
- 37: Across, Row 17, Column 2
- 38: Across, Row 17, Column 8
- 39: Across, Row 18, Column 5



**Across**

- 5 a heart rate of less than 60 per minute (11)
- 7 the form of angina caused by white thrombus (8)
- 11 a form of cardiac arrest with an appaently normal ECG (3)
- 12 the sort of thrombus which leads to an STEMI (3)
- 13 The effect of ischaemia on the ST segment (10)
- 15 usually given in the low molecular weight form (7)
- 18 the releif of pain (9)

**Down**

- 1 begining with the heart (11)
- 2 poor control of this disease predisposes to secondary atherosclerotic disease (8)
- 3 the form of thrombus formed by platelet aggregation and the cause of unstable angina and NSTEMIs (5)
- 4 a complication which might effect the left ventricle after an infarct (7)
- 6 the analgesic of choice in myocardial pain (11)
- 8 a specific cardiac marker (8)
- 9 beta blockers block this branch of the sympathetic autonomic system (4)

- 19** common drug given to reduce platelet stickiness (7)
- 20** disease of the arteries characterized by accumulation of atheroma (15)
- 24** the effect on the ST segment caused by infarction (9)
- 26** a type of muscle enzyme which ends kinase (8)
- 28** drugs which reduce the probability of intravascular coagulation (14)
- 32** this type of fat is full of hydrogens (9)
- 34** a description of how a myocardial pain feels (5)
- 35** this smelly stuff is a significant aetiological factor in the development of atherosclerosis (5)
- 36** a group of drugs used to improve myocardial perfusion via the mechanism of vasodilation (8)
- 37** a risk factor for atherosclerosis, particularly if it is abdominal (7)
- 38** a type of thrombus which may develop on the endocardium after a myocardial infarction (5)
- 39** a myocardial infarction with ST changes (5)
- 10** the type of muscles which contract to tightly close the atrioventricular valves (9)
- 12** the desired effect of thrombolytic therapy (11)
- 14** an area of tissue deprived of its blood supply (7)
- 16** a rapid uncoordinated form of pathological muscle contraction (12)
- 17** may present in the 'unstable' or 'of effort' form (6)
- 18** the material which accumulates in the lining of the arteries in the disease process of atherosclerosis (8)
- 21** high blood pressure (12)
- 22** the presence of a pathological communication through the wall of a structure (7)
- 23** the name given to normal cardiac rhythm (5)
- 25** a heart rate of more than 100 per minute (11)
- 27** a form of infarction caused by white thrombus (6)
- 29** a description of myocardial chest pain (5)
- 30** a form of cardiac arrest where there is ventricular standstill (8)
- 31** an abnormal blood clot within a blood vessel (8)
- 33** a weakness in the wall of the heart or blood vessel (8)