

## MYOCARDIAL INFARCTION DIAGNOSIS

### FEATURES

#### General

1. Age (integer number)
2. Sex (0 - female, 1 - male)

#### Pain

3. Pain location:
  - Retrosternal (1)
  - Left precordial (2)
  - Right precordial (3)
  - Left lateral chest (4)
  - Right lateral chest (5)
  - Abdominal (6)
  - Back (7)
  - Other (8)
4. Chest pain radiation:
  - Neck (1)
  - Jaw (2)
  - Left shoulder (3)
  - Left arm (4)
  - Right shoulder (5)
  - Back (6)
  - Abdomen (7)
  - Other (8)
5. Pain character:
  - Constant (1)
  - Episodic (2)
  - Episodic than constant (3)
  - Constant than episodic (4)
  - Dull/pressure (5)
  - Sharp (6)
  - Burning (7)
  - Pleuritic (8)
6. Onset of pain:
  - With exertion (1)
  - At rest (2)
  - Asleep (3)
7. Number of hours since onset (integer number)
8. Duration of the last episode
  - Less than 5 minutes (1)
  - 5 - 30 min (2)
  - 30 - 60 min (3)
  - 1 - 6 hours (4)
  - 6 - 12 hours (5)
  - Greater than 12 hours (6)

#### Associated symptoms

9. Nausea (0 -none, 1 - present)
10. Diaphoresis (0 -none, 1 - present)
11. Palpitations (0 -none, 1 - present)

- 12. Dyspnea (0 -none, 1 - present)
- 13. Dizziness/syncope (0 -none, 1 - present)
- 14. Burping (0 -none, 1 - present)

**15. Palliative factors**

- None (1)
- Relieved by nitroglycerin within 5 min (2)
- Relieved by nitroglycerin after more than 5 min (3)
- Antacids (4)
- Analgesia except morphine (5)
- Morphine (6)

**History of similar pain**

- 16. Prior chest pain of this type (0 -none, 1 - present)
- 17. Physician consulted for prior pain (0 -none, 1 - present)
- 18. Prior pain related to heart (0 -none, 1 - present)
- 19. Prior pain due to MI (0 -none, 1 - present)
- 20. Prior pain due to angina pectoris (0 -none, 1 - present)

**Past medical history**

- 21. Prior MI (0 -none, 1 - present)
- 22. Prior angina pectoris (0 -none, 1 - present)
- 23. Prior atypical chest pain (0 -none, 1 - present)
- 24. Congestive heart failure (0 -none, 1 - present)
- 25. Peripheral vascular disease (0 -none, 1 - present)
- 26. Hiatal hernia (0 -none, 1 - present)
- 27. Hypertension (0 -none, 1 - present)
- 28. Diabetes (0 -none, 1 - present)
- 29. Smoker (0 -none, 1 - present)

**Current medication usage**

- 30. Diuretics (0 -none, 1 - present)
- 31. Nitrates (0 -none, 1 - present)
- 32. Beta blockers (0 -none, 1 - present)
- 33. Digitalis (0 -none, 1 - present)
- 34. Nonsteroidal anti-inflammatory (0 -none, 1 - present)
- 35. Antacids/H2 blockers (0 -none, 1 - present)

**Physical examinations**

- 36. Systolic blood pressure (integer)
- 37. Diastolic blood pressure (integer)
- 38. Heart rate (integer)
- 39. Respiration rate (integer)
- 40. Rales (0 -none, 1 - present)
- 41. Cyanosis (0 -none, 1 - present)
- 42. Pallor (0 -none, 1 - present)
- 43. Systolic murmur (0 -none, 1 - present)
- 44. Diastolic murmur (0 -none, 1 - present)
- 45. Oedema (0 -none, 1 - present)
- 46. S3 gallop (0 -none, 1 - present)
- 47. S4 gallop (0 -none, 1 - present)
- 48. Chest wall tenderness (0 -none, 1 - present)
- 49. Diaphoresis (0 -none, 1 - present)

**ECG examination**

- 50. New Q wave (0 -none, 1 - present)

51. Any Q wave (0 -none, 1 - present)
52. New ST segment elevation (0 -none, 1 - present)
53. Any ST segment elevation (0 -none, 1 - present)
54. New ST segment depression (0 -none, 1 - present)
55. Any ST segment depression (0 -none, 1 - present)
56. New T wave inversion (0 -none, 1 - present)
57. Any T wave inversion (0 -none, 1 - present)
58. New intraventricular conduction defect (0 -none, 1 - present)
59. Any intraventricular conduction defect (0 -none, 1 - present)

## **DIAGNOSES:**

1. Pain of non-heart origin - inne
2. Angina prectoris
3. Angina prectoris - Prinzmetal variant – ang.prec.2
4. Myocardial infraction (transmural) - mi
5. Myocardial infraction (subendocardial) – mi-np