| **WORKSHEET for Evidence-Based Review of Science for Emergency Cardiac Care** | |
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| **Worksheet author(s)** | |
| | **Date Submitted for review:** 31 January 2010 <br> Last search 31 December 2009 |

**Clinical question.**

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| ACS-008-A: In patients with suspected ACS (P), does the use of computer-assisted ECG interpretation (I),compared with standard diagnostic techniques (emergency physicians) (C), increase accuracy of diagnosis (e.g. of NSTEMI/STEMI) (O)? <br><br> **Is this question addressing an intervention/therapy, prognosis or diagnosis? DIAGNOSIS** <br> **State if this is a proposed new topic or revision of existing worksheet**: **NEW** |
| **Conflict of interest specific to this question:** |
| Do any of the authors listed above have conflict of interest disclosures relevant to this worksheet? **NO** |
| **Search strategy (including electronic databases searched).** |

MEDLINE SEARCH

| | | |
|---|---|---|
| 1. | electrocardiogra$.mp. [mp=title, original title, abstract, name of substance word, subject heading word] | 166600 |
| 2. | exp Electrocardiography/ | 155103 |
| 3. | ecg.mp. [mp=title, original title, abstract, name of substance word, subject heading word] | 36515 |
| 4. | exp Diagnosis, Computer-Assisted/ | 36851 |
| 5. | computer-assisted diagnosis.mp. [mp=title, original title, abstract, name of substance word, subject heading word] | 250 |
| 6. | exp Myocardial Infarction/ | 123272 |
| 7. | myocardial infarction.mp. [mp=title, original title, abstract, name of substance word, subject heading word] | 149865 |
| 8. | acs.mp. [mp=title, original title, abstract, name of substance word, subject heading word] | 5181 |
| 9. | ami.mp. [mp=title, original title, abstract, name of substance word, subject heading word] | 9395 |
| 10. | stemi.mp. [mp=title, original title, abstract, name of substance word, subject heading word] | 1280 |
| 11. | (1 or 2 or 3) and (4 or 5) and (6 or 7 or 8 or 9 or 10) | 320 |

From 320 titles 93 abstracts were reviewed and 33 papers identified for review.

EMBASE SEARCH

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|---|---|---|
| 1. | electrocardiogra$.mp. [mp=title, original title, abstract, name of substance word, subject heading word] | 73771 |
| 2. | exp Electrocardiography/ | 32512 |
| 3. | ecg.mp. [mp=title, original title, abstract, name of substance word, subject heading word] | 24922 |
| 4. | Computer-Assisted Diagnosis,/ | 5148 |
| 5. | computer-assisted diagnosis.mp. [mp=title, original title, abstract, name of substance word, subject heading word] | 5182 |
| 6. | exp Myocardial Infarction/ | 106655 |
| 7. | myocardial infarction.mp. [mp=title, original title, abstract, name of substance word, subject heading word] | 69910 |
| 8. | acs.mp. [mp=title, original title, abstract, name of substance word, subject heading word] | 4795 |
| 9. | ami.mp. [mp=title, original title, abstract, name of substance word, subject heading word] | 8078 |
| 10. | stemi.mp. [mp=title, original title, abstract, name of substance word, subject heading word] | 1401 |