### Guideline topic:

**General comments**

*Update of SIGN 93 Acute Coronary Syndromes 2007 (Refresh 2013)*

### Search coverage

#### Patient searches

The patient search was conducted for all CHD guidelines using the search strategy outlined below in conjunction with the new patient search filter.

- **Databases searched:** Medline CINAHL, PsychINFO.
- **Date searched:** 10 Jan 2013
- **Total Hits:** 3239
- **Sifted Results:** 110

#### Systematic Reviews

- **Databases covered:** Medline + MIP, Cochrane, embase
- **Dates Covered:** 2005 – Nov 2013
- **Total Hits:** 7532
- **Sifted Result:** 120
- **Papers Requested:** 72

#### RCTs and Obs

- **Databases covered:** Medline + MIP, CENTRAL, embase
- **Dates covered:** See individual questions below.
- **Total Hits:** 4329
- **Sifted Result:** 274
- **Papers requested:** 48

#### Economics

- **Databases covered:** Medline + MIP, NEED, HEED, embase + Internet
- **Dates covered:** 2004 – August 2014
- **Total Hits:** 2855
- **Sifted Result:** 106
- **Papers requested:** 44

### Search strategies

The following are listings of the main Medline strategies used for this guideline. All conventions and symbols are from the Ovid implementation of Medline. Strategies used in other databases were substantially the same, though different terminology may have been used to take account of different thesauri used in non-Medline databases. Search filters were added to identify studies of a particular type (systematic review, RCT etc.) Systematic review filter used is on the SIGN Web site. RCT filter used is the Cochrane Highly Sensitive Search Strategy: sensitivity and precision maximizing version 2008.

#### Patient & Generic Stem:

**Patient search strategy**

1. * Cardiovascular Diseases/
2. Exp * Heart Diseases/
3. 1 or 2

**Generic stem**

1. acute coronary syndrom$.tw.
2. ACS.tw.
3. exp Myocardial Infarction/
4. myocardial infarct$.tw.
5. exp Angina, Unstable/
6. unstable angina.tw.
8. non-ST-segment elevation.tw.
9. ST-segment elevation.tw.
Scope of searches for RCTs, observational studies (OBS) and no filter (NOF) searches

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Medline Search strategies used for specific key questions:

**KQ1**

17    exp Troponin/
18    troponin*.tw.
19    hs-ctn.tw.
20    or/17-19

**KQ2 (and 9)**

17    prasugrel.ti,ab.
18    effient.ti,ab.
19    efient.ti,ab.
20    ticagrelor.ti,ab.
21    brilinta.ti,ab.
22    possia.ti,ab.
23    brilique.ti,ab.
24    clopidogrel.ti,ab.
25    plavix.ti,ab.
26    or/17-25
27    16 and 26

**KQ3**

17    *Insulin/
18    (insulin adj focus).tw.
19    (insulin adj glucose).tw.
20    (insulin adj intens$).tw.
21    or/17-20
22    16 and 21
23    limit 22 to (comment or editorial or letter or news)
24    22 not 23
25    limit 24 to yr = "2009 -Current"
26    limit 25 to english language
KQ7

17  exp Thrombectomy/
18  thrombectomy.tw.
19  (thromb$ adj2 aspirat$).tw.
20  (thromb$ adj2 removal).tw.
21  (thromb$ adj2 burden).tw.
22  or/17-21
23  16 and 22
24  limit 23 to (english language and yr = "2010 -Current")

KQ8

17  percutaneous coronary intervention/
18  angioplasty, balloon, coronary/
19  percutaneous coronary intervention.tw.
20  PCI.tw.
21  PCTA.tw.
22  angioplasty.tw.
23  CABG.tw.
24  Coronary Artery Bypass/
25  coronary artery bypass graft$.tw.
26  or/17-22
27  or/23-25
28  16 and 26 and 27
29  limit 28 to (comment or editorial or letter or news)
30  28 not 29
31  limit 30 to english language
32  limit 31 to yr = "2004 -Current"

KQ9

Notes 2012-Oct 2014 covered by KQ2 search. So only prasugrel & ticagrelor up to 2011 done for this search to cover missing time period.

17  prasugrel.ti,ab.
18  effient.ti,ab.
19  efient.ti,ab.
20  ticagrelor.ti,ab.
21  brilinta.ti,ab.
22  possia.ti,ab.
23  brilique.ti,ab.
24  or/17-23
25  16 and 24
26  limit 25 to (english language and yr = "1860 - 2011")

KQ11

17  Intra-Aortic Balloon Pumping/
18  Counterpulsation/
19  intraaortic balloon counterpulsation.ti,ab.
20  intra-aortic balloon counterpulsation.ti,ab.
21  IABC.ti,ab.
22  IABP.ti,ab.
23  or/17-22
16 and 23
limit 35 to (english language and yr="2012 -Current")