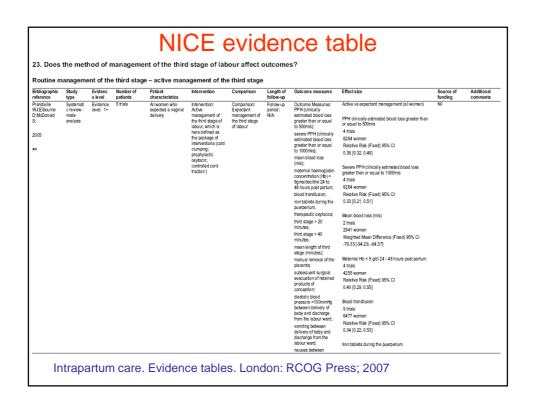
## Why GRADE?

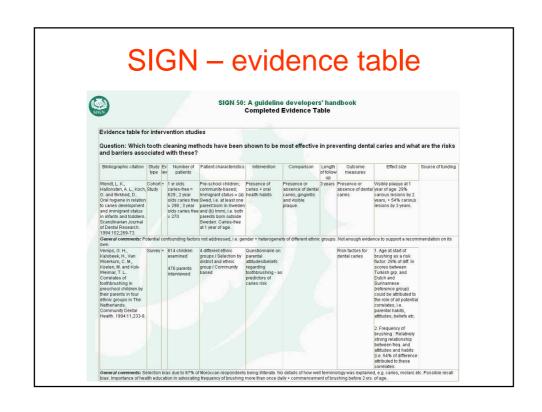
quality of evidence

### GRADE evidence profile table

|                           |                    |             |             |            |                         |              |         | Summary of findings                                |   |   |  |            |  |  |
|---------------------------|--------------------|-------------|-------------|------------|-------------------------|--------------|---------|--|---|---|--|------------|--|--|
|                           | Quality assessment |             |             |            |                         |              |         | E  |   | _ |  |            |  |  |
| No of<br>studies<br>(Ref) | Design             | Limitations | Consistency | Directness | Other<br>considerations | Intervention | Control | Baseline risk<br>(without<br>treatment)<br>(95%CI) | Relative risk (95%CI) Baseline risk (without treatment) (95%CI) |   |  | Importance |  |  |
| Benefits:                 |                    |             |             |            |                         |              |         |  |   |   |  |            |  |  |
| Outcome                   |                    |             |             |            |                         |              |         |  |   |   |  |            |  |  |
|                           |                    |             |             |            |                         |              |         |  |   |   |  |            |  |  |

| Harms:  |  |  |  |  |  |  |
|---------|--|--|--|--|--|--|
| Outcome |  |  |  |  |  |  |
|         |  |  |  |  |  |  |
|         |  |  |  |  |  |  |





# U.S. Preventive Services Task Force evidence table of overall evidence

| Key Question                              | Studies, n | Study Designs<br>(Reference)                               | Quality   | Conclusions   |
|---|------------|--|---|---|
| Penetrance of<br>hemochromatosis          | 11         | 1 retrospective<br>cohort study<br>(46)                    | Good: Genotyping of surviving<br>Brusselton, Australia, cohort;<br>potential selective mortality bias<br>appears minimal. Small<br>numbers.   | 17 y of clinical data for 10 screening-detecter<br>general population C282Y homozygotes<br>illustrates variable disease expression and<br>incomplete penetrance. Incomplete<br>follow-up into older age where disease<br>penetrance increases.            |
|   |            | 1 retrospective and<br>prospective<br>colort study<br>(47) | Fair: Genotyping of representative<br>Danish cohort during third<br>examination. Results are likely<br>to be compromised by selective<br>mortality bias due to 35% loss<br>of follow-up. Even accounting<br>for potential bias, disease<br>penetrance about 60%.                                | Additional 23 screening-detected C282Y<br>homozygotes from the general poet<br>also illustrate variable disease penetrance<br>and variable patterns of iron accumulation.<br>No liver biopsies to confirm iron overload<br>or disease.                    |
|   |            | 9 cross-sectional<br>studies (3.2,<br>51–58)               | Fair to good: Studies compromised<br>by frequent inclusion of already-<br>identified C282Y homozygotes<br>(not clearly screening-detected),<br>by different standards for<br>disease, and by potential<br>selection bias due to<br>non-protocol-based selection for<br>further dirikal work-up. | Estimates of disease in newly identified<br>C282Y homozygets at screening are too<br>limited to provide confident estimates of<br>penetrance.   |
| 2. Efficacy of<br>phlebotomy<br>treatment | 5          | 4 case series (25,<br>58–60)                               | Fair to poor: Studies compromised<br>by selective samples, reporting<br>on cases not clearly comparable<br>to current diagnosis and<br>treatment, incomplete follow-up<br>on all cases, and failure to<br>account for possible<br>confounders in analyses.                                      | Total number of reported cases is quite small<br>and represents disease experience over 50<br>y. There are no data to determine the<br>benefit of earlier treatment among<br>screening-detected compared with<br>contemporarily diagnosed clinical cases. |
|   |            | 1 retrospective<br>survey (55)                             | Fair: Possible recall bias in<br>determining response to<br>treatment.  | Treatment is recalled to relieve some but not<br>all symptoms in a survey of patients with<br>hereditary hemochromatosis.   |
| 3. High-risk groups                       | 7          | 7 cross-sectional<br>studies (51, 57,<br>61–63, 65, 66)    | Fair to good: Studies examined<br>prevalence of C282Y<br>homozygotes in various selective<br>populations for possible targeted<br>screening.  | Patients selected on basis of certain signs and<br>symptoms, in combination with phenotypic<br>testing, may be at increased risk; data are<br>still fairly limited.   |

# GRADE un aiuto alla trasparenza?

| Quality assessment  |              |   |                               |   |                 |                           | Summary of findings |  |                          |   |                             |           |
|---|--------------|---|-------------------------------|---|-----------------|---------------------------|---------------------|--|--------------------------|---|-----------------------------|-----------|
|   |              | Quality                                       | assessment                    |   |                 | No of patients            |                     | Effect   |                          |   |                             |           |
| No of<br>studies  | Design       | Limitations                                   | Consistency                   | Directness  | Other consider- | Active<br>manage-<br>ment | Standard procedures | Baseline<br>Risk<br>(95%CI)                          | Relative risk<br>(95%CI) | NNT<br>(95%CI)                                    | Quality                     | Importanc |
| Benefits:   | )            |   |                               |   |                 |                           |                     |  |                          |   |                             |           |
| Maternar de   | eaths        |   |                               |   |                 |                           |                     |  |                          |   |                             |           |
| 0   | -            | -   | -                             | -   | -               | -                         | -                   | -  | -                        | -   | -                           | 8.5       |
| Admission   | to intensive | care unit                                     |                               |   |                 |                           |                     | 1  |                          |   |                             |           |
| 0   | -            | -   |                               | -   | -               | -                         | -                   | -  | -                        | -   | -                           | 6.4       |
| Blood loss  | ≥ 500 ml     |   |                               |   |                 |                           |                     | 1  |                          |   |                             |           |
| PW 00 <sup>1</sup><br>Ad 97<br>Br 88<br>Du 90                             | RCT          | serious<br>limitation <sup>2,3,17</sup><br>-1 | no important inconsistency    | some<br>uncertainty<br>about<br>directness <sup>4,5</sup> | none            | 3126                      | 3158                | min 8.3%<br>(6.3, 10.3)<br>max 17.9%<br>(15.3, 20.5) | 0.38 (0.32,<br>0.46)     | min 8<br>(6.7, 11.2)<br>max 16 (11.7,<br>24.7)    | low<br>quality<br>++oo      | 6.3       |
| Hi 98   |              |   |                               |   |                 |                           |                     |  |                          |   |                             |           |
| Blood loss<br>4<br>PW 00 <sup>1</sup><br>Ad 97<br>Br 88<br>Du 90<br>Hi 98 | ≥ 1000 ml    | serious<br>limitation <sup>2,3,17</sup><br>-1 | no important inconsistency    | some<br>uncertainty<br>about<br>directness <sup>4,5</sup> | none            | 3126                      | 3158                | min 1.5%<br>(0.6 2.4)<br>max 3.2%<br>(2.0-4.4)       | 0.33 (0.21,<br>0.51)     | min 41 (26.5,<br>90.1)<br>max 73 (43.3,<br>225.5) | low<br>quality<br>++oo      | 7.7       |
| Need for bl   | ood transfu  | sion  | •                             |   |                 |                           | •                   |  | •                        |   |                             |           |
| 5<br>PW 00 <sup>1</sup><br>Ad 97<br>Br 93                                 | RCT          | minor<br>limitation <sup>3,8</sup>            | no important<br>inconsistency | some<br>uncertainty<br>about<br>directness <sup>7</sup>   | none            | 3229                      | 3248                | 5.7%<br>(4.1-7.2) <sup>16</sup>                      | 0.34 (0.22,<br>0.53)     | 28<br>(18.7, 59,1) <sup>16</sup>                  | moderate<br>quality<br>+++o | 7.8       |

|  |   |   |                               |   | •                                     | providers] for all women to prevent PPH? |  |   |                          |   |                             |            |  |
|--|---|---|-------------------------------|---|---------------------------------------|--|--|---|--------------------------|---|-----------------------------|------------|--|
| Quality assessment   |   |   |                               |   |                                       |  | Summary of findings  No of patients Effect |   |                          |   |                             |            |  |
| No of<br>studies   | Design  | Limitations                                 | Consistency                   | Directness  | Other consider-                       | Active<br>manage-<br>ment                | Standard<br>procedures                     | Baseline<br>Risk<br>(95%CI)                               | Relative risk<br>(95%CI) | NNT<br>(95%CI)                                  | Quality                     | Importance |  |
| Harms  |   |   |                               |   | '                                     |  |  |   |                          |   |                             |            |  |
| Side enec  | t requiring tr                                  | eatment                                     |                               |   |                                       |  |  |   |                          |   |                             |            |  |
| 1<br>PW 00 <sup>1</sup><br>Hi 98                                     | RCI<br>iron tablets<br>during the<br>puerperium | minor<br>limitation <sup>3</sup>            | one trial only                | some<br>uncertainty<br>about<br>directness <sup>15</sup>        | none                                  | /16                                      | /31  | 28% (24.8,<br>31.3)                                       | 0.60 (0.49,<br>0.74)     | -9 (-14.5, -<br>6.5)                            | moderate<br>quality<br>+++0 | 6.2        |  |
| Manual re  | moval of plac                                   | enta  |                               |   |                                       |  |  |   |                          |   |                             | •          |  |
| 5<br>PW 00 <sup>1</sup><br>Ad 97<br>Br 93<br>Br 88<br>Du 90<br>Hi 98 | RCT   | serious<br>limitation <sup>3,17</sup><br>-2 | major<br>inconsistency<br>18  | some<br>uncertainty<br>about<br>directness <sup>4,5</sup><br>-1 | imprecise<br>and sparse<br>data<br>-1 | 3229                                     | 3248                                       | min 0.14%<br>(-0.13, 0.41)<br>max 2.59%<br>(1.53, 3.66)   | 1.21 (0.82,<br>1.78)     | min NS<br>max 39<br>(26.4, 75.2)                | very low<br>quality<br>0000 | 6.2        |  |
| Nausea   |   |   |                               |   |                                       |  |  |   |                          |   |                             | ,          |  |
| 3<br>PW 00 <sup>1</sup><br>Br 88<br>Du 90<br>Hi 98                   | RCT   | serious<br>limitation <sup>3,17</sup><br>-2 | no important inconsistency    | some<br>uncertainty<br>about<br>directness                      | none                                  | 1680                                     | 1727                                       | min 8.77%<br>(3.56, 13.99)<br>max 11.50%<br>(9.21, 13.78) | 1.83 (1.51,<br>2.23)     | min 7 (4.0,<br>24.4)<br>max 18 (11.8,<br>36.0)  | very low<br>quality<br>+000 | 4.0        |  |
| Vomiting   |   |   |                               |   |                                       |  |  |   |                          |   |                             | •          |  |
| 3<br>PW 00 <sup>1</sup><br>Br 88<br>Du 90<br>Hi 98                   | RCT   | serious<br>limitation <sup>3,17</sup><br>-2 | no Important<br>inconsistency | some<br>uncertainty<br>about<br>directness 9,10                 | none                                  | 1680                                     | 1727                                       | min 1.75<br>(-0.67, 4.18)<br>max 6.48<br>(4.82, 8.13)     | 2.19 (1.68,<br>2.86)     | min 10 (5.8,<br>37.9)<br>max 18 (12.0,<br>35.4) | very low<br>quality<br>+ooo | 4.7        |  |

# GRADE quality assessment Quality assessment No of studies (Ref) Design Limitations Consistency Directness Other considerations Benefits: Outcome Harms: Outcome

