Table K-9. Risk of bias for studies using the Hayden criteria assessing BNP and NT-proBNP for stable heart failure population

|  | **Study****Participation** | **Study****Attrition** | **Prognostic Factors** | **Outcome****Measurement** | **Confounding** | **Analysis** | **Study****Design** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Author, Year** | **1a** | **1b** | **1c** | **2a** | **2b** | **3a** | **3b** | **3c** | **3d** | **3e** | **4a** | **4b** | **4c** | **5a** | **5b** | **6a** | **7a** |
| Mikkelsen,19 2006 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| Schou,12 2007 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | X | √ | √ |
| Masson,10 2006 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| Dini,18 2010 | √ | √ | √ | ? | X | √ | √ | √ | √ | √ | √ | X | √ | X | X | √ | √ |
| Dini,21 2009 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | ? | X | X | X | √ | √ |
| Dini,20 2008 | √ | √ | √ | √ | √ | √ | √ | NA | √ | NA | √ | √ | X | X | X | √ | √ |
| Dini,9 2008 | √ | √ | √ | ? | ? | √ | √ | √ | ? | ? | √ | √ | √ | X | X | √ | √ |
| Bajraktari,22 2011 | √ | √ | √ | ? | √ | √ | √ | √ | √ | √ | √ | ? | X | X | X | √ | √ |
| Cleland,11 2009 Corona | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | ? | √ | √ | √ | √ | √ |
| Wedel,14 2009 | √ | √ | √ | √ | √ | √ | √ | NA | √ | NA | √ | ? | √ | √ | √ | √ | √ |
| Jankowska,17 2011 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | X | √ | √ | √ | √ | √ |
| von Haehling,8 2010 | √ | √ | √ | X | √ | √ | √ | √ | √ | √ | √ | X | √ | √ | √ | √ | √ |
| Bayes Genis,15 2012 | ? | ? | ? | √ | √ | √ | √ | √ | ? | ? | √ | √ | √ | √ | √ | √ | √ |
| Antonio,16 2012 | √ | √ | √ | √ | √ | √ | √ | √ | ? | ? | √ | √ | √ | √ | √ | √ | √ |
| Christensen,13 2012 | √ | √ | √ | ? | ? | √ | √ | √ | ? | ? | √ | √ | √ | √ | √ | √ | √ |
| Harutyunyan,7 2012 | √ | √ | √ | √ | √ | √ | √ | √ | ? | ? | √ | √ | √ | X | X | √ | √ |

1. a) source population clearly defined, b) study population described c) study population represents source population, or population of interest
2. a) completeness of follow-up described, b) completeness of follow-up adequate
3. a) BNP/NT-proBNP factors defined, b) BNP/NT-proBNP factors measured appropriately, c) Other factors measured appropriately, d) For BNP/NT-proBNP, the extent of and reasons for indeterminate test results or missing data reported, e) for other prognostic factors, the extent of and reasons for indeterminate test results or missing data reported
4. a) outcome defined, b) outcome measured appropriately, c) a composite outcome was avoided
5. a) confounders measured, b) confounders accounted for
6. a) analysis described; 7 a) The study was designed to test the prognostic value of BNP/NT-proBNP

✔ = Low Risk 🗙= High Risk ? = unclear