Supplemental Table 1. The quality assessment of included studies by modified QUADAS tool with 13-items.

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|  | Representative spectrum | Clear description of selection criteria | Acceptable reference standard | Partial verification avoided | Differential verification avoided | Incorporation avoided | Index test described in detail | Reference standard described in detail | Index test results blinded | Reference standard results blinded | Relevant clinical information | Uninterpretable results reported | Withdrawals explained |
| Wada (2007) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | Not clear | Yes | Yes | Yes |
| Goldstein (2007) | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | No | Not clear | Yes | Yes | Yes |
| Delgado (2009) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes |
| Ederies (2009) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Delgado (2010) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes |
| Evans (2010) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Not clear | Yes | Yes | Yes |
| Park (2010) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes |
| Wang (2011) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Not clear | Yes |
| Li (2011) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Not clear | Yes | Yes | Yes |
| Demchuk (2012) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Brouwers (2012) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Not clear | Yes | Yes | Yes |
| Junior (2013) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes |
| Rizos (2013) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Not clear | Yes | Yes | Yes |
| Romero (2013) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Not clear | Yes | Yes | Yes |
| Sun (2013) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Not clear | Yes | Yes | Yes |
| Brouwers (2014) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Not clear | Yes | Yes | Yes |
| Hotta (2014) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Not clear | Yes |
| Rodriguez-Luna (2014) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | Not clear | No | Yes | Yes |