**Table D4. Quality of studies evaluating effects of diabetes medications on intermediate outcomes**

| **Author, year** | **Randomized** | **Randomization Scheme Described** | **Double-blind** | **Blinding Method Desribed** | **Dropout Described** |
| --- | --- | --- | --- | --- | --- |
| Aaboe, 2010[1](#_ENREF_1) | Yes | No | Yes | Not described | No |
| Ahren, 2014[2](#_ENREF_2) | Yes | Not described | Yes | Yes | Yes |
| Alba, 2013[3](#_ENREF_3) | Yes | Yes | Yes | Not described | Yes |
| Apovian, 2010[4](#_ENREF_4) | Yes | Yes | Yes | Not described | Yes |
| Arechavaleta, 2011[5](#_ENREF_5) | Yes | Yes | Yes | Not described | Yes |
| Arjona Ferreira, 2013[6](#_ENREF_6) | Yes | Yes | Yes | Yes | Yes |
| Aschner, 2012[8](#_ENREF_8) | Yes | Yes | No | Not described | Yes |
| Bailey, 2013[10](#_ENREF_10) | Yes | Yes | Yes | Yes | Yes |
| Barnett, 2012[13](#_ENREF_13) | Yes | Yes | Yes | Yes | Yes |
| Bergenstal, 2010[14](#_ENREF_14) | Yes | Yes | Yes | Yes | Yes |
| Bergenstal, 2012[15](#_ENREF_15) | Yes | Yes | Yes | Yes | Yes |
| Bolinder, 2012[17](#_ENREF_17) | Yes | Yes | Yes | Yes | Yes |
| Borges, 2011[18](#_ENREF_18) | Yes | Not described | Yes | Not described | No |
| Cefalu, 2013[20](#_ENREF_20) | Yes | Yes | Yes | Yes | Yes |
| Chawla, 2013[23](#_ENREF_23) | Yes | Yes |  NR/Can't tell | Not described | Yes |
| DeFronzo, 2005[28](#_ENREF_28) | Yes | Yes | Yes | Yes | Yes |
| DeFronzo, 2012[31](#_ENREF_31) | Yes | Not described | Yes | Yes | No |
| Del Prato, 2015[32](#_ENREF_32) | Yes | Not described | Yes | Not described | No |
| Del Prato, 2014[33](#_ENREF_33) | Yes | Not described | Yes | Yes | Yes |
| Derosa, 2011[40](#_ENREF_40) | Yes | Yes | No | Not described | Yes |
| Derosa, 2013[42](#_ENREF_42) | Yes | Yes | Yes | Yes | Yes |
| Derosa, 2013[43](#_ENREF_43) | Yes | Yes | Yes | Yes | Yes |
| Diamant, 2010[44](#_ENREF_44) | Yes | Yes | No | Not described | Yes |
| Erem, 2014[47](#_ENREF_47) | Yes | Not described | No | Not described | No |
| Esposito, 2011[48](#_ENREF_48) | Yes | Yes | Yes | Yes | Yes |
| Esteghamati, 2014[49](#_ENREF_49) | Yes | Yes | No | Not described | No |
| Esteghamati, 2015[50](#_ENREF_50) | Yes | Yes | No | No | Yes |
| Ferrannini, 2013[53](#_ENREF_53) | Yes | No | No | Not described | No |
| Fidan, 2011[54](#_ENREF_54) | Yes | Not described | No | Not described | No |
| Fonseca, 2012[56](#_ENREF_56) | Yes | Yes | Yes | Not described | Yes |
| Forst, 2010[57](#_ENREF_57) | Yes | Yes | Yes | Yes | Yes |
| Forst, 2012[58](#_ENREF_58) | Yes | Not described | No | Not described | Yes |
| Forst, 2014[59](#_ENREF_59) | Yes | Not described | No | Not described | Yes |
| Gallwitz, 2011[60](#_ENREF_60) | Yes | Not described | No | Not described | No |
| Gallwitz, 2012[61](#_ENREF_61) | Yes | Yes | Yes | Yes | Yes |
| Gallwitz, 2012[62](#_ENREF_62) | Yes | Yes |  NR/Can't tell | Not described | Yes |
| Garber, 2011[67](#_ENREF_67) | Yes | Yes | No | Not described | Yes |
| Genovese, 2013[68](#_ENREF_68) | Yes | Not described | Yes | Yes | Yes |
| Genovese, 2013[69](#_ENREF_69) | Yes | Yes | Yes | Yes | Yes |
| Goke, 2010[70](#_ENREF_70) | Yes | Yes | Yes | Yes | Yes |
| Gupta, 2010[75](#_ENREF_75) | Yes | Not described | No | Not described | No |
| Gupta, 2013[76](#_ENREF_76) | Yes | Yes | No | Not described | Yes |
| Haak, 2012[77](#_ENREF_77) | Yes | Not described | Yes | Not described | Yes |
| Haak, 2013[78](#_ENREF_78) | Yes | Yes | Yes | Yes | Yes |
| Haring, 2014[83](#_ENREF_83) | Yes | Yes | Yes | Yes | Yes |
| Henry, 2012[84](#_ENREF_84) | Yes | Yes | Yes | Not described | No |
| Henry, 2012[84](#_ENREF_84) | Yes | Yes | Yes | Not described | Yes |
| Hermans, 2012[87](#_ENREF_87) | Yes | Not described | Yes | Not described | Yes |
| Ji, 2015[93](#_ENREF_93) | Yes | Not described | Yes | Not described | Yes |
| Kadoglou, 2011[95](#_ENREF_95) | Yes | Not described | No | Not described | Yes |
| Kadowaki, 2013[96](#_ENREF_96) | Yes | Yes | Yes | Yes | Yes |
| Kaku, 2011[99](#_ENREF_99) | Yes | Not described | No | Not described |  |
| Kim, 2014[103](#_ENREF_103) | Yes | Not described | No | Not described | Yes |
| Lavalle-Gonzalez, 2013[106](#_ENREF_106) | Yes | Yes | Yes | Yes | Yes |
| List, 2009[109](#_ENREF_109) | Yes | Yes | Yes | Yes | Yes |
| Maffioli, 2013[111](#_ENREF_111) | Yes | Yes | Yes | Yes | Yes |
| Moon, 2014[114](#_ENREF_114) | Yes | Not described | No | Not described | Yes |
| Nauck, 2009[119](#_ENREF_119) | Yes | Yes | Yes | Not described | Yes |
| Nauck, 2011[120](#_ENREF_120) | Yes | Yes | Yes | Yes | Yes |
| Nauck, 2014[121](#_ENREF_121) | Yes | Not described | Yes | Not described | Yes |
| Petrica, 2009[126](#_ENREF_126) | Yes | Not described | No | Not described | Yes |
| Pfutzner, 2011[128](#_ENREF_128) | Yes | Not described | Yes | Not described | No |
| Pfutzner, 2011[129](#_ENREF_129) | Yes | Yes | Yes | Not described | Yes |
| Pratley, 2014[131](#_ENREF_131) | Yes | Not described | Yes | Not described | Yes |
| Qiu, 2014[132](#_ENREF_132) | Yes | Yes | Yes | Not described | Yes |
| Reasner, 2011[135](#_ENREF_135) | Yes | Not described | Yes | Not described | Yes |
| Ridderstrale, 2014[136](#_ENREF_136) | Yes | Yes | Yes | Yes | Yes |
| Roden, 2013[139](#_ENREF_139) | Yes | Yes | Yes | Yes | Yes |
| Rosenstock, 2010[141](#_ENREF_141) | Yes | Not described | Yes | Yes | Yes |
| Rosenstock, 2012[142](#_ENREF_142) | Yes | Not described | Yes | Not described | Yes |
| Rosenstock, 2013[144](#_ENREF_144) | Yes | Yes | Yes | Yes | Yes |
| Rosenstock, 2015[145](#_ENREF_145) | Yes | Yes | Yes | Yes | Yes |
| Ross, 2012[146](#_ENREF_146) | Yes | Yes | Yes | Yes | Yes |
| Russell-Jones, 2012[147](#_ENREF_147) | Yes | Yes | Yes | Yes | Yes |
| Schernthaner, 2015[148](#_ENREF_148) | Yes | Yes | Yes | Not described | Yes |
| Schondorf, 2011[150](#_ENREF_150) | Yes | Not described | Yes | Not described | Yes |
| Schumm-Draeger, 2015[151](#_ENREF_151) | Yes | Yes | Yes | Yes | Yes |
| Seino, 2012[156](#_ENREF_156) | Yes | Yes | Yes | Yes | Yes |
| Shihara, 2011[157](#_ENREF_157) | Yes | Yes | No | Not described | Yes |
| Suzuki, 2014[161](#_ENREF_161) | Yes | Not described | No | No | No |
| Taskinen, 2011[164](#_ENREF_164) | Yes | Not described | Yes | Not described | Yes |
| Taslimi, 2013[165](#_ENREF_165) | Yes | Not described |  NR/Can't tell | Not described | Yes |
| Umpierrez, 2014[171](#_ENREF_171) | Yes | Yes | Yes | Yes | Yes |
| Wang, 2015[173](#_ENREF_173) | Yes | Yes | Yes | Yes | Yes |
| White, 2014[175](#_ENREF_175) | Yes | Yes | Yes | Yes | Yes |
| Williams-Herman, 2010[177](#_ENREF_177) | Yes | Yes | Yes | Yes | Yes |
| Xu, 2015[178](#_ENREF_178) | Yes | Not described | No | No | No |
| Yang, 2011[180](#_ENREF_180) | Yes | Yes | Yes | Not described | Yes |
| Yang, 2011[181](#_ENREF_181) | Yes | Not described | Yes | Yes | Yes |
| Yang, 2012[182](#_ENREF_182) | Yes | Yes | Yes | Yes | Yes |
| Yoon, 2011[183](#_ENREF_183) | Yes | Not described | Yes | Not described | Yes |
| Yuan, 2012[184](#_ENREF_184) | Yes | Yes | No | Not described | Yes |
| Zhang, 2012[187](#_ENREF_187) | Yes | Not described | No | Not described | Yes |
|  |  |  |  |  |  |