**Supplementary File 2**

A list of refrences used to make dataset tables

| Author / Name of study | Type of study | Number of cases | Duration | Country | Relation |
| --- | --- | --- | --- | --- | --- |
| Brownlee, Aiello et al. 2011[1] | Textbook of Endocrinology | - | - | US | list of risk factors and complications |
| DCCT 1993[2] | Randomised controlled trial | 1441 | 6.5 years | US | HbA1c/Retinopathy & Albuminuria |
| Klein, Klein et al. 1984[3] | Cross Sectional | 996 | - | US | Duration/Retinopathy |
| DCCT 2000[4] | Randomised controlled trial | 1208 and 1302 | 10.5 and 9.5 years | US | HbA1c & Duration/ Retinopathy & Albuminuria |
| DCCT 1995[5] | Randomised controlled trial | 1441 | 6.5 years | US | HbA1c/Retinopathy |
| UKPDS 1998[6] | Randomised controlled trial | 5102 | 20 years | UK | HbA1c/Retinopathy & Albuminuria |
| Chase, Jackson et al. 1989[7] | Retrospective random trial | 230 | - | US | HbA1c & Duration/ Retinopathy & Albuminuria |
| Krolewski, Canessa et al. 1988[8] | Retrospective random trial | 89 | 14 years | US | Blood pressure/ Albuminuria |
| Krolewski, Warram et al. 1986[9] | Retrospective study | 292 | 20-40 years | US | Duration/Retinopathy |
| Klein, Moss et al. 1990[10] | Prospective random trial | 129 | 4 years | US | Duration & Blood pressure/Retinopathy |
| Kostraba, Klein et al. 1991[11] | Cross Sectional | 657 | - | US | Duration & Blood pressure/Retinopathy & Albuminuria |
| Klein, Moss et al. 1990[12] | Prospective study | - | - | US | HbA1c/Retinopathy |
| Al-Futaisi, Al-Zakwani et al. 2006[13] | Cross sectional | n=261 | - | Oman | HbA1c & Blood pressure & Albuminuria/Albuminuria |
| Thai Multicenter Research Group on Diabetes Mellitus 1994[14] | Cross Sectional | 2060 | - | Thailand | Blood pressure/ Retinopathy |
| UKPDS 1998[15] | Randomised controlled trial | 1148 | 8.4 years | UK | Blood pressure /Retinopathy & Albuminuria |
| Kullberg and Arnqvist 1993[16] | Prospective study | 172 and 186 | 7.9 years | Sweden | HbA1c/Retinopathy & Albuminuria |
| Krolewski, Laffel et al. 1995[17] | Cross Sectional | 1613 | - | US | HbA1c & Duration/ Albuminuria |
| Savage, Estacio et al. 1996[18] | Prospective study | 947 | 5 years | US | Albuminuria/Retinopathy |
| Fujisawa, Ikegami et al. 1999[19] | Cross Sectional | 294 | - | Japan | Blood pressure & Duration & Albuminuria/ Retinopathy |
| Mogensen and Christensen 1984[20] | Prospective observational | 44 | 14 years | US | Albuminuria/Albuminuria |
| Bruce, Linda et al. 2003[21] | Prospective observational | 386 | 8 years | US | Blood pressure & Duration & HbA1c/ Albuminuria |
| Hovind, Tarnow et al. 2004[22] | Prospective observational | 286 | 18 years | Denmark | Blood pressure & Albuminuria & HbA1c/ Albuminuria |
| Mogensen 1982[23] | Prospective study | 6 | 73 months | Denmark | Blood pressure/ Albuminuria |
| Dorsey 2006[24] | Thesis | - | - | US | list of risk factors and complications |
| DCCT 1996[25] | Randomised controlled trial | 1441 | 6.5 years | US | HbA1c/Retinopathy & Albuminuria |
| Gæde, Vedel et al. 2003[26] | Randomised controlled trial | 160 | 7.8 years | Denmark | HbA1c & Blood pressure /Retinopathy & Albuminuria |
| Nathan, Cleary et al. 2005[27] | Randomised controlled trial | 1394 | 17 years | US | HbA1c/Albuminuria |
| Olsen, SjÃ¸lie et al. 2000[28] | Prospective study | 339 | 6 years | Denmark | Albuminuria & Duration & HbA1c/Retinopathy & Albuminuria |
| Romero-Aroca, Baget-Bernaldiz et al. 2011[29] | Prospective study | 297 | 10 years | Spain | HbA1c & Blood pressure & Albuminuria /Retinopathy |
| Okudaira, Yokoyama et al. 2000[30] | Retrospective study | 394 | 7.1 years | Japan | HbA1c & Blood pressure & Duration/Retinopathy |
| Golbahar, Rahimi et al. 2008[31] | Cross Sectional | n=254 | - | Iran | HbA1c & Blood pressure & Duration/Retinopathy |
| Imano, Miyatsuka et al. 2001[32] | Cross Sectional | 162 | - | Japan | Duration/Retinopathy |
| Tam, Lam et al. 2009[33] | Prospective study | 354 | 4.2 years | China | HbA1c & Albuminuria /Retinopathy |
| Semeraro, Parrinello et al. 2011[34] | Prospective study | 5034 | 11 years | Italy | HbA1c & Blood pressure & Duration & Albuminuria/Retinopathy |
| Massin, Erginay et al. 2007[35] | Cross Sectional | 504 | - | France | HbA1c & Blood pressure & Duration/Retinopathy |
| Rema, Ponnaiya et al. 1996[36] | Cross Sectional | 6792 | - | India | HbA1c & Blood pressure & Duration/Retinopathy |
| Romero, Salvat et al. 2007[37] | Prospective study | 112 | 15 years | Spain | HbA1c & Blood pressure & Duration & Retinopathy /Retinopathy & Albuminuria |
| Kato, Takemori et al. 2002[38] | Prospective study | 3614 | 5 years | Japan | Duration/Retinopathy |
| Hadjadj, Duly-Bouhanick et al. 2004[39] | Prospective study | 297 | 7 years | France | HbA1c & Duration/Retinopathy |
| Tapp, Zimmet et al. 2006[40] | Prospective study | 528 | 6 years | Australia | HbA1c & Duration/Retinopathy |
| Torffvit, Agardh et al. 1991[41] | Cross Sectional | 476 | - | Sweden | Blood pressure & Albuminuria/Retinopathy & Albuminuria |
| Torffvit, Agardh et al. 1991[42] | Cross Sectional | 451 | - | Sweden | HbA1c & Blood pressure & Duration/Albuminuria |
| Florkowski, Scott et al. 1998[43] | Prospective study | 447 | 6 years | New Zealand | HbA1c & Blood pressure & Duration/Retinopathy |
| Tapp, Zimmet et al. 2006[44] | Cross Sectional | 2182 | - | Australia | HbA1c/Retinopathy & Albuminuria |
| Izumi, Hoshi et al. 1995[45] | Retrospective study | 107 | 3.2 years | Japan | HbA1c/Retinopathy |
| Parving 1998[46] | Review | - | - | Finland | Albuminuria & Duration /Albuminuria |
| Raman, Verma et al. 2011[47] | Prospective study | 1414 | 3 years | India | HbA1c/Retinopathy |
| Ohkubo, Kishikawa et al. 1995[48] | Prospective study | 110 | 6 years | Japan | HbA1c/Retinopathy & Albuminuria |
| Ã–zmen and Boyvada 2003[49] | Prospective study | 267 | 1 years | Turkey | HbA1c & Duration/Retinopathy |
| Lloyd, Klein et al. 1995[50] | Retrospective study | 657 | 2 years | US | HbA1c/Retinopathy |
| Perol, Balkau et al. 2012[51] | Retrospective study | 254 | 3 years | France | HbA1c & Albuminuria /Retinopathy |
| Kingsley, Dorman et al. 1988[52] | Retrospective study | 754 | - | US | Duration/Retinopathy |
| Sasaki, Horiuchi et al. 1990[53] | Prospective study | 976 | 8.3 years | Japan | HbA1c & Duration/Retinopathy |
| Voutilainen-Kaunisto, TerÃ¤svirta et al. 2000[54] | Prospective study | 277 | 10 years | Finland | HbA1c & Duration/Retinopathy |
| Wan Nazaimoon, Letchuman et al. 1999[55] | Cross Sectional | 926 | - | Malaysia | Blood pressure & Duration /Retinopathy & Albuminuria |
| Lu, Wen et al. 2007[56] | Cross sectional | 1039 | -- | China | HbA1c & Blood pressure & Duration & Albuminuria/Retinopathy & Albuminuria |
| Raile, Galler et al. 2007[57] | Prospective study | 27805 | 2.5 years | Germany | HbA1c & Blood pressure & Duration & Albuminuria/Albuminuria |
| Esmatjes and De Alvaro 2002[58] | Prospective study | 1225 | 4.3 years | Spain | HbA1c & Duration/ Albuminuria |
| Garancini, Gallus et al. 1988[59] | Cross sectional | 1155 | - | Italy | Duration/Albuminuria |
| Nomiyama, Nunoi et al. 1991[60] | Cross sectional | 992 | - | Japan | HbA1c & Blood pressure & Duration /Albuminuria |
| Sasaki, Horiuchi et al. 1989[61] | Retrospective study | 1196 | 10 years | Japan | HbA1c & Blood pressure & Duration & Retinopathy/Albuminuria |
| Bleyer, Sedor et al. 2008[62] | Cross sectional | 296 |  | US | HbA1c & Blood pressure & Duration /Albuminuria |
| Agardh, Agardh et al. 1997[63] | Prospective study | 442 | 5 years | Sweden | HbA1c & Albuminuria & Blood pressure /Albuminuria & Retinopathy |
| Kalk, Osler et al. 1990[64] | Cross sectional | 127 |  | S. Africa | HbA1c & Blood pressure & Duration /Albuminuria |
| Giordano, Amato et al. 2011[65] | Retrospective study | 376 | 10.93 years | Italy | HbA1c & Duration /Albuminuria & Retinopathy |
| Lunetta, M., et al. 1998 [66] | Cross sectional | 320 | - | Italy | Blood pressure & Retinopathy/Albuminuria |
| Miki, E. and M. Kikuchi 1994 [67] | Retrospective study | 2000 | 28 | Japan | HbA1c & Blood pressure & Duration/Retinopathy |

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