

Diabetes

Study No.	Author(s)	Year	Category	RCT	Sample Size	Mean Age	Mean BMI
100015	Herrera MF, Pantoja JP, Velazquez-Fernandez D, Cabiedes J, Aguilar-Salinas C, Garcia-Garcia E, et al.	2010	GB	1	11	36.8	44.9
100015			GB	1	12	39.8	44.5
100037	Lee WJ, Ser KH, Chong K, Lee YC, Chen SC, Tsou JJ, et al.	2010	SG	0	20	46.3	31
100072	Chao SH.	2010	AGB	0	10	28.9	43.31
100129	Toouli J, Kow L, Ramos AC, Aigner F, Pattyn P, Galvao-Neto MP, et al.	2009	AGB	0	339	41.6	42.2
100144	Sultan S, Parikh M, Youn H, Kurian M, Fielding G, Ren C.	2009	AGB	0	53	46.9	33.1
100165	Iannelli A, Anty R, Piche T, Dahman M, Gual P, Tran A, et al.	2009	GB	0	55	37.8	43.2
100165			GB	0	18	37.4	53.8
100264	Pinheiro JS, Schiavon CA, Pereira PB, Correa JL, Noujaim P, Cohen R.	2008	GB	1	57		53.4
100264			GB	1	48		54.7
100296	Busetto L, Angrisani L, Basso N, Favretti F, Furbetta F, Lorenzo M, et al	2008	GB	0	216	36.5	44.9
100296			GB	0	5,074	64.1	44.2
100297	Dixon JB, O'Brien PE, Playfair J, Chapman L, Schachter LM, Skinner S, et al.	2008	AGB	1	30	46.6	37
100297			Control	1	30	47.1	37.2
100349	Whitson BA, Leslie DB, Kellogg TA, Maddaus MA, Buchwald H, Billington CJ, et al.	2007	GB	0	10	42	50
100353	Bessler M, Daud A, Kim T, DiGiorgi M	2007	Combined	1	90	41.6	58
100353			GB	1	46	40.6	59.5
100385	Angrisani L, Lorenzo M, Borrelli V.	2007	AGB	1	27	33.8	43.4
100385			GB	1	24	34.1	43.8
100405	Taylor CJ, Layani L.	2006	AGB	0	40	65.8	42.2
100425	Nelson WK, Fatima J, Houghton SG, Thompson GB, Kendrick ML, Mai JL, et al.	2006	GB	0	188	45.00	61

100452	Nelson LG, Lopez PP, Haines K, Stefan B, Martin T, Gonzalez R, et al. Outcomes of bariatric surgery in patients > or =65 years.	2006	GB	0	25	68	50
100460	Skroubis G, Anesidis S, Kehagias I, Mead N, Vagenas K, Kalfarentzos F.	2006	GB	1	65	33	44.6
100460			GB	1	65	34.8	45.3
100466	Puzziferri N, Austrheim-Smith IT, Wolfe BM, Wilson SE, Nguyen NT.	2006	GB	1	79	47	48
100466			GB	1	76	50	49
100471	Kim TH, Daud A, Ude AO, DiGiorgi M, Olivero-Rivera L, Schrope B, et al.	2006	GB	0	232	38.5	47.2
100471			AGB	0	160	41.7	47.1
100493	van Dielen FM, Soeters PB, de Brauw LM, Greve JW.	2005	VBG	1	50	39	46.6
100493			AGB	1	50	37.2	46.7
100539	Silecchia G, Greco F, Bacci V, Boru C, Pecchia A, Casella G, et al.	2005	AGB	0	24	58.6	42.3
100539			AGB	0	24	41.2	42.1
100596	Kalfarentzos F, Papadoulas S, Skroubis G, Kehagias I, Loukidi A, Mead N.	2004	GB	0	132	36.00	57
200003	D, Mancini MC, Halpern A, Zilberstein B, Garrido AB,Jr, Ceconello I.	2010	AGB	0	20		47.51
200025	Matlach J, Adolf D, Benedix F, Wolff S.	2011	AGB	0	98	40.6	49.3
200041	Boza C, Gamboa C, Perez G, Crovari F, Escalona A, Pimentel F, et al.	2010	AGB	0	199	37.8	36
200043	Kasza J, Brody F, Vaziri K, Scheffey C, McMullan S, Wallace B, et al.	2011	AGB	0	144	43	45.6
300026	Nienhuijs SW, De Zoete JP, Berende CA, De Hingh IH, Smulders JF.	2010	SG	0	74	42	51
300043	Sakcak I, Avsar MF, Erdem NZ, Hamamci EO, Bostanoglu S, Sonisik M, et al.	2010	AGB	0	127	29.51	49.38

300052	Batsis JA, Lopez-Jimenez F, Collazo-Clavell ML, Clark MM, Somers VK, Sarr MG.	2009	GB	0	148		47
300071	Torchia F, Mancuso V, Civitelli S, Di Maro A, Cariello P, Rosano PT, et al.	2009	AGB	0	95	38.5	62.5
300133	Parikh M, Duncombe J, Fielding GA.	2006	AGB	0	93	44.6	32.7
300135	Silecchia G, Boru C, Pecchia A, Rizzello M, Casella G, Leonetti F, et al.	2006	SG	0	41	44.6	57.3
300135			Combined	0	7	44.6	57.3
300170	He M, Stubbs R.	2004	GB	0	310	41.9	46.3
400030	Pournaras DJ, Osborne A, Hawkins SC, et al.	2010	GB	0	22	46	47.4
400030			AGB	0	12	47.4	47.1
400034	Schouten R, Wiryasaputra DC, Van Dielen FM, Van Gemert WG, Greve JW.		AGB	0	48	39	47
400034			VBG	0	17	39	47
400034			GB	0	26	39	48
400048	Basso N, Casella G, Rizzello M, Abbatini F, Soricelli E, Alessandri G, et al.	2011	SG	0	100	43.6	54.4
400048			SG	0	200	43.1	45.5
400049	Behrens C, Tang BQ, Amson BJ.	2011	SG	0	34		50.3
400050	Bobowicz M, Lehmann A, Orłowski M, Lech P, Michalik M.	2011	SG	0	84	39	44.62
400057	Clough A, Layani L, Shah A, Wheatley L, Taylor C.	2011	AGB	0	113	63.6	42
400060	Depaula AL, Stival AR, Halpern A, Vencio S.	2011	SG	0	120	41.4	38.4
400066	Fezzi M, Kolotkin RL, Nedelcu M, Jaussent A, Schaub R, Chauvet MA, et al.	2011	SG	0	78	42.52	45
400068	Hayes, M. T.; Hunt, L. A.; Foo, J.; Tychinskaya, Y.; Stubbs, R. S.		GB	0	107	48	47
400068			GB		20	51	41

400069	Higa, K.; Ho, T.; Tercero, F.; Yunus, T.; Boone, K. B.		GB	0	242		
400069							
400072	Hutter MM, Schirmer BD, Jones DB, Ko CY, Cohen ME, Merkow RP, et al.	2011	SG	0	944	46.52	46.24
400072			AGB	0	12193	44.31	43.91
400072			GB	0	14491	44.6	46.07
400075	Kalfarentzos F, Skroubis G, Karamanakis S, Argentou M, Mead N, Kehagias I, et al.	2011	GB	0	75	36.7	56.2
400075			GB	0	44	35.5	51.7
400075			GB	0	841	37.3	57.1
400079	Lee WJ, Chen CY, Chong K, Lee YC, Chen SC, Lee SD.	2011	GB	0	16	44.1	29.6
400079			SG	0	16	45.8	31.5
400100	Scopinaro N, Adami GF, Papadia FS, et al.	2011	GB	0	15	55.1	33.1
400100			GB	0	15	57.8	33.1
400100			Control	0	20		33.1
400100			Control	0	18		33.1
400105	Tayyem R, Obondo C, Ali A.	2011	AGB	0	30	39.9	50.9
400106	Tinoco A, El-Kadre L, Aquiar L, Tinoco R, Savassi-Rocha P.	2011	SG	0	30	49.7	30.8
400114	Boza C, Salinas J, Salgado N, et al.	2012	SG	0	1000	36.9	37.4
400116	Chopra A, Chao E, Etkin Y, Merklinger L, Lieb J, Delany H.	2012	GB	0	185	39.6	48.97
400126	Mukherjee S, Devalia K, Rahman MG, Mannur KR.	2012	SG	0	61	46	60

[100385] Angrisani L, Lorenzo M, Borrelli V. Laparoscopic adjustable gastric banding versus roux-en-y gastric bypass: 5-year results of a prospective randomized trial. *Surg Obes Relat Dis.* 2007;3(2):127-32; discussion 32-3. Epub 2007/03/03.

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Hypertension

Study No.	Author(s)	Year	Category	RCT	Sample Size	Mean Age	Mean BMI
100015	Herrera MF, Pantoja JP, Velazquez-Fernandez D, Cabiedes J, Aguilar-Salinas C, Garcia-Garcia E, et al.	2010	GB	1	11	36.8	44.9
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100144	Sultan S, Parikh M, Youn H, Kurian M, Fielding G, Ren C.	2009	AGB	0	53	46.9	33.1
100183	Csendes A, Maluenda F, Burgos AM.	2009	GB	1	35	37.35	43.3
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100264	Pinheiro JS, Schiavon CA, Pereira PB, Correa JL, Noujaim P, Cohen R.	2008	GB	1	57		53.4
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100466	Puzziferri N, Austrheim-Smith IT, Wolfe BM, Wilson SE, Nguyen NT.	2006	GB	1	79	47	48
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200041	Boza C, Gamboa C, Perez G, Crovari F, Escalona A, Pimentel F, et al.	2010	AGB	0	199	37.8	36
200043	Kasza J, Brody F, Vaziri K, Scheffey C, McMullan S, Wallace B, et al.	2011	AGB	0	144	43	45.6
300026	Nienhuijs SW, De Zoete JP, Berende CA, De Hingh IH, Smulders JF.	2010	SG	0	74	42	51
300043	Sakcak I, Avsar MF, Erdem NZ, Hamamci EO, Bostanoglu S, Sonisik M, et al.	2010	AGB	0	127	29.51	49.38
300052	Batsis JA, Lopez-Jimenez F, Collazo-Clavell ML, Clark MM, Somers VK, Sarr MG.	2009	GB	0	148		47
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300133	Parikh M, Duncombe J, Fielding GA.	2006	AGB	0	93	44.6	32.7
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300135			Combined	0	7	44.6	57.3
300170	He M. et al.		GB	0	310	41.9	46.3
400034	Schouten R, Wiryasaputra DC, Van Dielen FM, Van Gemert WG, Greve JW.		AGB	0	48	39	47

400034			VBG	0	17	39	47
400034			GB	0	26	39	48
400048	Basso N, Casella G, Rizzello M, Abbatini F, Soricelli E, Alessandri G, et al.	2011	SG	0	100	43.6	54.4
400048			SG	0	200	43.1	45.5
400049	Behrens C, Tang BQ, Amson BJ.	2011	SG	0	34		50.3
400050	Bobowicz M, Lehmann A, Orłowski M, Lech P, Michalik M.	2011	SG	0	84	39	44.62
400057	Clough A, Layani L, Shah A, Wheatley L, Taylor C.	2011	AGB	0	113	63.6	42
400060	Depaula AL, Stival AR, Halpern A, Vencio S.	2011	SG	0	120	41.4	38.4
400066	Fezzi M, Kolotkin RL, Nedelcu M, Jaussent A, Schaub R, Chauvet MA, et al.	2011	SG	0	78	42.52	45
400068	Hayes, M. T.; Hunt, L. A.; Foo, J.; Tychinskaya, Y.; Stubbs, R. S.		GB	0	107	48	47
400068			GB		20	51	41
400069	Higa, K.; Ho, T.; Tercero, F.; Yunus, T.; Boone, K. B.		GB	0	242		
400072	Hutter MM, Schirmer BD, Jones DB, Ko CY, Cohen ME, Merkow RP, et al.	2011	SG	0	944	46.52	46.24
400072			AGB	0	12193	44.31	43.91
400072			GB	0	14491	44.6	46.07
400075	Kalfarentzos F, Skroubis G, Karamanakos S, Argentou M, Mead N, Kehagias I, et al.	2011	GB	0	75	36.7	56.2
400075			GB	0	44	35.5	51.7
400075			GB	0	841	37.3	57.1
400100	Scopinaro N, Adami GF, Papadia FS, et al.	2011	GB	0	15	55.1	33.1
400100			GB	0	15	57.8	33.1
400100			Control	0	20		33.1
400100			Control	0	18		33.1
400105	Tayyem R, Obondo C, Ali A.	2011	AGB	0	30	39.9	50.9
400114	Boza C, Salinas J, Salgado N, et al.	2012	SG	0	1000	36.9	37.4
400116	Chopra A, Chao E, Etkin Y, Merklinger L, Lieb J, Delany H.	2012	GB	0	185	39.6	48.97
400126	Mukherjee S, Devalia K, Rahman MG, Mannur KR.	2012	SG	0	61	46	60

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Dyslipidemia

Study No.	Author(s)	Year	Category	RCT	Sample Size	Mean Age	Mean BMI
100015	Herrera MF, Pantoja JP, Velazquez-Fernandez D, Cabiedes J, Aguilar-Salinas C, Garcia-Garcia E, et al.	2010	GB	1	11	36.8	44.9
100015			GB	1	12	39.8	44.5
100072	Chao SH.	2010	AGB	0	10	28.9	43.31
100129	Toouli J, Kow L, Ramos AC, Aigner F, Pattyn P, Galvao-Neto MP, et al.	2009	AGB	0	339	45.4	42.94
100264	Pinheiro JS, Schiavon CA, Pereira PB, Correa JL, Noujaim P, Cohen R.	2008	GB	1	57		53.4
100264			GB	1	48		54.7
100296	Busetto L, Angrisani L, Basso N, Favretti F, Furbetta F, Lorenzo M, et al.	2008	GB	0	216	36.5	44.9
100296			GB	0	5,074	64.1	44.2
100353	Bessler M, Daud A, Kim T, DiGiorgi M	2007	Combined	1	90	41.6	58
100385	Angrisani L, Lorenzo M, Borrelli V.	2007	AGB	1	27	33.8	43.4
100385			GB	1	24	34.1	43.8
100405	Taylor CJ, Layani L.	2006	AGB	0	40	65.8	42.2
100412	Lee WJ, Wang W, Wei PL, Huang MT.	2006	AGB	0	91	31.20	42.7
100466	Puzziferri N, Austrheim-Smith IT, Wolfe BM, Wilson SE, Nguyen NT.	2006	GB	1	79	47	48
100466			GB	1	76	50	49
100471	Kim TH, Daud A, Ude AO, DiGiorgi M, Olivero-Rivera L, Schrope B, et al.	2006	GB	0	232	38.5	47.2
200003	Pajecki D, Mancini MC, Halpern A, Zilberstein B, Garrido AB, Jr, Ceconello I.	2010	AGB	0	20		47.51
200025	Matlach J, Adolf D, Benedix F, Wolff S.	2010	AGB	0	128	39.6	49.9
200041	Boza C, Gamboa C, Perez G, Crovari F, Escalona A, Pimentel F, et al.	2010	AGB	0	199	37.8	36
300026	Nienhuijs SW, De Zoete JP, Berende CA, De Hingh IH, Smulders JF.	2010	SG	0	74	42	51
300043	Sakcak I, Avsar MF, Erdem NZ, Hamamci EO, Bostanoglu S, Sonisik M, et al.	2010	AGB	0	127	29.51	49.38

300052	Batsis JA, Lopez-Jimenez F, Collazo-Clavell ML, Clark MM, Somers VK, Sarr MG.	2009	GB	0	148		47
300071	Torchia F, Mancuso V, Civitelli S, Di Maro A, Cariello P, Rosano PT, et al.	2009	AGB	0	95	38.5	62.5
300170	He M. et al.		GB	0	310	41.9	46.3
400049	Behrens C, Tang BQ, Amson BJ.	2011	SG	0	34		50.3
400060	Depaula AL, Stival AR, Halpern A, Vencio S.	2011	SG	0	120	41.4	38.4
400066	Fezzi M, Kolotkin RL, Nedelcu M, Jaussent A, Schaub R, Chauvet MA, et al.	2011	SG	0	78	42.52	45
400075	Kalfarentzos F, Skroubis G, Karamanakos S, Argentou M, Mead N, Kehagias I, et al.	2011	GB	0	75	36.7	56.2
400075			GB	0	44	35.5	51.7
400075			GB	0	841	37.3	57.1
400105	Tayyem R, Obondo C, Ali A.	2011	AGB	0	30	39.9	50.9
400114	Boza C, Salinas J, Salgado N, et al.	2012	SG	0	1000	36.9	37.4
400114			GB	1	46	40.6	59.5
400114			AGB	0	160	41.7	47.1

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[300071] Torchia F, Mancuso V, Civitelli S, Di Maro A, Cariello P, Rosano PT, et al. Lapband system in super-superobese patients (>60 kg/m²): 4-year results. *Obes Surg*. 2009;19(9):1211-5. Epub 2008/11/21.

[300170] He M, Stubbs R. Gastric bypass surgery for severe obesity: What can be achieved? *The New Zealand medical journal*. 2004;117(1207):U1207. Epub 2004/12/21.

[400049] Behrens C, Tang BQ, Amson BJ. Early results of a canadian laparoscopic sleeve gastrectomy experience. *Canadian Journal of Surgery*. 2011;54(2):138-43.

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[400075] Kalfarentzos F, Skroubis G, Karamanakos S, Argentou M, Mead N, Kehagias I, et al. Biliopancreatic diversion with roux-en-y gastric bypass and long limbs: Advances in surgical treatment for super-obesity. *Obes Surg*. 2011;21(12):1849-58.

[400105] Tayyem R, Obondo C, Ali A. Short-term outcome and quality of life of endoscopically placed gastric balloon and laparoscopic adjustable gastric band. *Saudi Journal of Gastroenterology*. 2011;17(6):400-5.

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Cardiovascular disease

Study No.	Author(s)	Publication Year	Category	RCT	Sample Size	Mean Age	Mean BMI
100129	Toouli J, Kow L, Ramos AC, Aigner F, Pattyn P, Galvao-Neto MP, et al.	2009	AGB	0	69	45.4	42.94
100493	van Dielen FM, Soeters PB, de Brauw LM, Greve JW.	2005	VBG	1	50	39	46.6
100493			AGB	1	50	37.2	46.7
200025	Matlach J, Adolf D, Benedix F, Wolff S.	2010	AGB	0	128	39.6	49.9
300052	Batsis JA, Lopez-Jimenez F, Collazo-Clavell ML, Clark MM, Somers VK, Sarr MG.	2009	GB	0	236		

[300052] Batsis JA, Lopez-Jimenez F, Collazo-Clavell ML, Clark MM, Somers VK, Sarr MG. Quality of life after bariatric surgery: A population-based cohort study. *The American journal of medicine*. 2009;122(11):1055 e1- e10. Epub 2009/10/27.

[200025] Matlach J, Adolf D, Benedix F, Wolff S. Small-diameter Bands Lead to High Complication Rates in Patients After Laparoscopic Adjustable Gastric Banding. *Obes Surg* 2011 Apr;21(4):448-456.

[100129] Toouli J, Kow L, Ramos AC, Aigner F, Pattyn P, Galvao-Neto MP, et al. International multicenter study of safety and effectiveness of Swedish Adjustable Gastric Band in 1-, 3-, and 5-year follow-up cohorts. *Surg Obes Relat Dis* 2009 Sep-Oct;5(5):598-609.

[100493] van Dielen FM, Soeters PB, de Brauw LM, Greve JW. Laparoscopic adjustable gastric banding versus open vertical banded gastroplasty: a prospective randomized trial. *Obes Surg* 2005 Oct;15(9):1292-1298.

Sleep apnea

NO	Author(s)	Publication Year	Category	RCT	Sample Size	Mean Age	Mean BMI
100129	Toouli J, Kow L, Ramos AC, Aigner F, Pattyn P, Galvao-Neto MP, et al.	2009	AGB	0	339	45.4	42.94
100144	Sultan S, Parikh M, Youn H, Kurian M, Fielding G, Ren C.	2009	AGB	0	53	46.9	33.1
100264	Pinheiro JS, Schiavon CA, Pereira PB, Correa JL, Noujaim P, Cohen R.	2008	GB	1	57		53.4
100264			GB	1	48		54.7
100296	Busetto L, Angrisani L, Basso N, Favretti F, Furbetta F, Lorenzo M, et al	2008	GB	0	216	36.5	44.9
100296			GB	0	5,074	64.1	44.2
100385	Angrisani L, Lorenzo M, Borrelli V.	2007	AGB	1	27	33.8	43.4
100385			GB	1	24	34.1	43.8
100405	Taylor CJ, Layani L.	2006	AGB	0	40	65.8	42.2
100412	Lee WJ, Wang W, Wei PL, Huang MT.	2006	AGB	0	91	31.20	42.7
100425	Nelson WK, Fatima J, Houghton SG, Thompson GB, Kendrick ML, Mai JL, et al.	2006	GB	0	188	45.00	61
100452	Nelson LG, Lopez PP, Haines K, Stefan B, Martin T, Gonzalez R, et al. Outcomes of bariatric surgery in patients > or =65 years.	2006	GB	0	25	68	50
100460	Skroubis G, Anesidis S, Kehagias I, Mead N, Vagenas K, Kalfarentzos F.	2006	GB	1	65	33	44.6
100460			GB	1	65	34.8	45.3
100466	Puzziferri N, Austrheim-Smith IT, Wolfe BM, Wilson SE, Nguyen NT.	2006	GB	1	79	47	48
100466			GB	1	76	50	49
100493	van Dielen FM, Soeters PB, de Brauw LM, Greve JW.	2005	VBG	1	50	39	46.6
100493			AGB	1	50	37.2	46.7
100539	Silecchia G, Greco F, Bacci V, Boru C, Pecchia A, Casella G, et al.	2005	AGB	0	24	58.6	42.3
100539			AGB	0	24	41.2	42.1
100596	Kalfarentzos F, Papadoulas S, Skroubis G, Kehagias I, Loukidi A, Mead N.	2004	GB	0	132	36.00	57
200025	Matlach J, Adolf D, Benedix F, Wolff S.	2011	AGB	0	98	40.6	49.3

200041	Boza C, Gamboa C, Perez G, Crovari F, Escalona A, Pimentel F, et al.	2010	AGB	0	199	37.8	36
200043	Kasza J, Brody F, Vaziri K, Scheffey C, McMullan S, Wallace B, et al.	2011	AGB	0	144	43	45.6
300133	Parikh M, Duncombe J, Fielding GA.	2006	AGB	0	93	44.6	32.7
300135	Silecchia G, Boru C, Pecchia A, Rizzello M, Casella G, Leonetti F, et al.	2006	SG	0	41	44.6	57.3
300135			Combined	0	7	44.6	57.3
300170	He M, Stubbs R.	2004	GB	0	310	41.9	46.3
400034	Schouten R, Wiryasaputra DC, Van Dielen FM, Van Gemert WG, Greve JW.		AGB	0	48	39	47
400034			VBG	0	17	39	47
400034			GB	0	26	39	48
400048	Basso N, Casella G, Rizzello M, Abbatini F, Soricelli E, Alessandri G, et al.	2011	SG	0	100	43.6	54.4
400048	Basso N, Casella G, Rizzello M, Abbatini F, Soricelli E, Alessandri G, et al.	2011	SG	0	200	43.1	45.5
400049	Behrens C, Tang BQ, Amson BJ.	2011	SG	0	34		50.3
400050	Bobowicz M, Lehmann A, Orlowski M, Lech P, Michalik M.	2011	SG	0	84	39	44.62
400057	Clough A, Layani L, Shah A, Wheatley L, Taylor C.	2011	AGB	0	113	63.6	42
400060	Depaula AL, Stival AR, Halpern A, Vencio S.	2011	SG	0	120	41.4	38.4
400069	Higa, K.; Ho, T.; Tercero, F.; Yunus, T.; Boone, K. B.		GB	0	242		
400072	Hutter MM, Schirmer BD, Jones DB, Ko CY, Cohen ME, Merkow RP, et al.	2011	SG	0	944	46.52	46.24
400072			AGB	0	12193	44.31	43.91
400072			GB	0	14491	44.6	46.07
400075	Kalfarentzos F, Skroubis G, Karamanakos S, Argentou M, Mead N, Kehagias I, et al.	2011	GB	0	75	36.7	56.2
400075			GB	0	44	35.5	51.7
400075			GB	0	841	37.3	57.1
400105	Tayyem R, Obondo C, Ali A.	2011	AGB	0	30	39.9	50.9
400116	Chopra A, Chao E, Etkin Y, Merklinger L, Lieb J, Delany H.	2012	GB	0	185	39.6	48.97
400126	Mukherjee S, Devalia K, Rahman MG, Mannur KR.	2012	SG	0	61	46	60

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