	PCOS M	other	Cont	rol		Risk Ratio		Risk Ratio				
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% CI	Year	M-H, Random, 95% CI				
Yilmaz 2005	9	40	2	20	28.2%	2.25 [0.54, 9.45]	2005					
Dunaif and Legro	26	464	38	193	35.6%	0.28 [0.18, 0.46]	2011	-8-				
Davies 2011	20	41	172	674	36.2%	1.91 [1.36, 2.68]	2011	-				
Total (95% CI)		545		887	100.0%	1.02 [0.21, 4.88]						
Total events	55		212									
Heterogeneity: Tau <sup>2</sup> = Test for overall effect:				2 (P <	0.00001	); $I^2 = 96\%$		0.01 0.1 1 10 100 Higher in Control Higher in PCOS mother				

Forest plot of hypertension prevalence in mothers of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M–H = Mantel–Haenszel.

	PCO	PCOS Mother			ontrol		5	Std. Mean Difference		Std. Mean Difference		
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	Year	IV, Random, 95% CI		
Yilmaz 2005	144.3	21.2	40	128.1	10.8	20	37.6%	0.87 [0.31, 1.43]	2005			
Dunaif and Legro	128	18	119	17	406	207	62.4%	0.34 [0.11, 0.57]	2011	-		
Total (95% CI)			159			227	100.0%	0.54 [0.04, 1.04]		-		
Heterogeneity: Tau <sup>2</sup> =	0.09; C	$hi^2 = 2$	2.89, df	f = 1 (P)	= 0.09	$();  ^2 =$	65%					
Test for overall effect:	ect: $Z = 2.12$ (P = 0.03)									Lower in PCOS mothers Higher in PCOS mother		

Forest plot of systolic blood pressure in mothers of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M–H = Mantel–Haenszel.

	PCOS	Mot	her	Co	ontrol		5	Std. Mean Difference		Std. Mean Difference		
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	Year	IV, Random, 95% CI		
Yilmaz 2005	86.2	9.9	40	76.9	7.5	20	45.0%	1.00 [0.43, 1.57]	2005			
Dunaif and Legro	77	10	73	11	406	207	55.0%	0.19 [-0.08, 0.46]	2011	+=-		
Total (95% CI)			113			227	100.0%	0.55 [-0.24, 1.34]				
Heterogeneity: Tau <sup>2</sup> = Test for overall effect:					<b>P</b> = 0.	01); I <sup>2</sup> :	= 84%			Lower in PCOS mothers Higher in PCOS mothers		

Forest plot of diastolic blood pressure in mothers of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M-H = Mantel-Haenszel.

	PCOS M	other	Contr	rol		Risk Ratio		Risk Ratio				
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% CI	Year	M–H, Random, 95% CI				
Yilmaz 2005	9	40	2	20	0.8%	2.25 [0.54, 9.45]	2005					
Dunaif and Legro	397	565	112	185	95.4%	1.16 [1.02, 1.32]	2011					
Davies 2011	8	41	139	674	3.8%	0.95 [0.50, 1.79]	2011					
Total (95% CI)		646		879	100.0%	1.16 [1.02, 1.31]		•				
Total events	414		253									
Heterogeneity: Tau <sup>2</sup> =	0.00; Chi	$^{2} = 1.2$	1, df = 2	(P = 0)	.55); I <sup>2</sup> =	0%		0.05 0.2 1 5 20				
Test for overall effect:	Z = 2.29	(P = 0.0)	02)					Lower in PCOS mothers Higher in PCOS mothers				

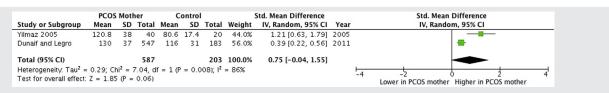
 $\label{eq:source} Forest plot of dyslipidemia prevalence in mothers of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M-H = Mantel-Haenszel.$ 

	PCOS	PCOS Mother			ontrol		5	Std. Mean Difference		Std. Mean Difference		
Study or Subgroup	Mean	Mean SD Total			SD	Total	Weight	IV, Random, 95% CI	Year	IV, Random, 95% CI		
Yilmaz 2005	208.65	46.1	40	157.1	30.9	20	38.6%	1.22 [0.64, 1.80]	2005			
Dunaif and Legro	213	41	565	188	37	185	61.4%	0.62 [0.45, 0.79]	2011	-		
Total (95% CI)			605			205	100.0%	0.85 [0.29, 1.42]		-		
Heterogeneity: Tau <sup>2</sup> = Test for overall effect:				= 1 (P =	0.05)	; l <sup>2</sup> = 7	3%			Lower in PCOS mothers Higher in PCOS mothers		

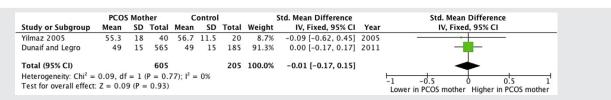
Forest plot of total cholesterol in mothers of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M–H = Mantel–Haenszel.

	PCOS Mother			C	ontrol		S	td. Mean Difference		Std. Mean Difference		
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% CI	Year	IV, Fixed, 95% CI		
Yilmaz 2005	139.8	61.9	40	98.3	40.3	20	8.4%	0.73 [0.18, 1.29]	2005	<u> </u>		
Dunaif and Legro	168	117	565	119	71	185	91.6%	0.46 [0.29, 0.62]	2011			
Total (95% CI)			605			205	100.0%	0.48 [0.32, 0.64]		•		
Heterogeneity: Chi <sup>2</sup> = Test for overall effect:					0%					Lower in PCOS mother Higher in PCOS mother		

Forest plot of triglycerides in mothers of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M-H = Mantel-Haenszel.



Forest plot of low-density lipoprotein cholesterol in mothers of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M-H = Mantel-Haenszel.



Forest plot of high-density lipoprotein cholesterol in mothers of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M-H = Mantel-Haenszel.

	PCOS fa	ther	Control f	ather		Risk Ratio		Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% CI	Year	M-H, Fixed, 95% CI
Yilmaz 2005	100	38	2	20		Not estimable	2005	ð.
Hunter 2007	17	60	21	111	9.2%	1.50 [0.86, 2.61]	2007	
Dunaif and Legro	331	495	77	151	74.1%	1.31 [1.11, 1.55]	2011	
Davies 2011	15	41	232	674	16.7%	1.06 [0.70, 1.61]	2011	
Total (95% CI)		634		956	100.0%	1.29 [1.11, 1.50]		◆
Total events	463		332					
Heterogeneity: Chi <sup>2</sup> =	1.14, df :	= 2 (P =	0.56); l <sup>2</sup>	= 0%				0.2 0.5 1 2 5
Test for overall effect:	Z = 3.27	(P = 0.	001)					Less in PCOS father More in PCOS father

Forest plot of dyslipidemia prevalence in fathers of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M-H = Mantel-Haenszel.

	PCOS fa	ther	Control f	ather		Risk Ratio		Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% CI	Year	M-H, Fixed, 95% CI
Yilmaz 2005	8	38	2	20	2.3%	2.11 [0.49, 8.99]	2005	
Hunter 2007	20	60	22	111	13.7%	1.68 [1.00, 2.82]	2007	
Dunaif and Legro	276	411	51	175	63.6%	2.30 [1.81, 2.93]	2011	
Davies 2011	11	41	200	674	20.4%	0.90 [0.54, 1.52]	2011	· · · · · · · · · · · · · · · · · · ·
Total (95% CI)		550		980	100.0%	1.93 [1.58, 2.35]		•
Total events	315		275					
Heterogeneity: Chi <sup>2</sup> =	10.58, df	= 3 (P	= 0.01); I	$^{2} = 72\%$				0.02 0.1 1 10 50
Test for overall effect:	Z = 6.53	(P < 0.	00001)					0.02 0.1 1 10 50 Less in PCOS father More in PCOS father

Forest plot of hypertension prevalence in fathers of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M-H = Mantel-Haenszel.

PCOS father				Contr	ol fat	her	:	Std. Mean Difference		Std. Mean Difference		
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	Year	IV, Random, 95% CI		
Yilmaz 2005	145.9	19.7	38	130.2	12.6	20	39.1%	0.88 [0.31, 1.45]	2005			
Dunaif and Legro	132	18	331	127	15	179	60.9%	0.29 [0.11, 0.48]	2011	-		
Total (95% CI)			369			199	100.0%	0.52 [-0.04, 1.08]				
Heterogeneity: Tau <sup>2</sup> = Test for overall effect:				= 1 (P	= 0.05	5); I <sup>2</sup> =	73%			-2 -1 0 1 2 Lower in PCOS father Higher in PCOS Father		

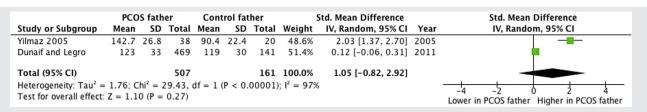
Forest plot of systolic blood pressure in fathers of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M-H = Mantel-Haenszel.

	PCO	S fath	er	Contr	ol fat	her	:	Std. Mean Difference		Std. Mean Difference		
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	Year	IV, Random, 95% CI		
Yilmaz 2005	87.2	11.6	38	79.2	8.6	20	41.1%	0.74 [0.18, 1.30]	2005			
Dunaif and Legro	80	10	331	79	10	179	58.9%	0.10 [-0.08, 0.28]	2011			
Total (95% CI)			369			199	100.0%	0.36 [-0.25, 0.98]				
Heterogeneity: Tau <sup>2</sup> = Test for overall effect:				f = 1 (P	= 0.0	3); I <sup>2</sup> =	78%			-2 -1 0 1 2 Lower in PCOS father Higher in PCOS father		

Forest plot of diastolic blood pressure in fathers of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M–H = Mantel–Haenszel.

	PCO	S fath	er	Cont	rol fat	her		Std. Mean Difference		Std. Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	Year	IV, Random, 95% CI
Yilmaz 2005	214.7	35.7	38	162.8	32.6	20	47.5%	1.48 [0.87, 2.09]	2005	
Dunaif and Legro	200	42	494	194	35	151	52.5%	0.15 [-0.03, 0.33]	2011	t <mark>en</mark> -
Total (95% CI)			532			171	100.0%	0.78 [-0.52, 2.08]		
Heterogeneity: Tau <sup>2</sup> = Test for overall effect:				if = 1 (F	P < 0.0	0001);	l <sup>2</sup> = 94%			-2 -1 0 1 2 Lower in PCOS father Higher in PCOS father

Forest plot of total cholesterol in fathers of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M–H = Mantel–Haenszel.



Forest plot of low-density lipoprotein cholesterol in fathers of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M-H = Mantel-Haenszel.

	PCO	5 fath	er	Cont	rol fat	her		Std. Mean Difference		Std. Mean Difference		
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	Year	IV, Random, 95% CI		
Yilmaz 2005	41.3	9.1	38	52.6	10.3	20	45.1%	-1.17 [-1.76, -0.59]	2005			
Dunaif and Legro	42	11	491	45	12	151	54.9%	-0.27 [-0.45, -0.08]	2011	-		
Total (95% CI)			529			171	100.0%	-0.67 [-1.56, 0.21]				
Heterogeneity: Tau <sup>2</sup> =	0.36; C	hi² =	8.36, 0	df = 1 (1)	P = 0.0	004); I <sup>2</sup>	= 88%					
Test for overall effect:	Z = 1.5	0 (P =	= 0.13)							Lower in PCOS father Higher in PCOS father		

Forest plot of high-density lipoprotein cholesterol in fathers of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M-H = Mantel-Haenszel.

	PCO	S fath	er	Cont	rol fat	her		Std. Mean Difference		Std. Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	Year	IV, Random, 95% CI
Yilmaz 2005	160.2	69.5	38	101	43.6	20	43.9%	0.94 [0.37, 1.51]	2005	
Dunaif and Legro	190	185	494	163	129	151	56.1%	0.16 [-0.03, 0.34]	2011	
Total (95% CI)			532			171	100.0%	0.50 [-0.26, 1.27]		
Heterogeneity: Tau <sup>2</sup> = Test for overall effect:				f = 1 (P	= 0.0	10); I <sup>2</sup> :	= 85%			-2 -1 0 1 2 Lower in PCOS father Higher in PCOS father

Forest plot of triglycerides in fathers of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M-H = Mantel-Haenszel.

	PCOS si	ister	Control	sister		Risk Ratio		Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% CI	Year	M-H, Fixed, 95% CI
Dunaif and Legro	65	352	28	443	100.0%	2.92 [1.92, 4.45]	2011	
Total (95% CI)		352		443	100.0%	2.92 [1.92, 4.45]		
Total events	65		28					
Heterogeneity: Not ap		(5						0.1 0.2 0.5 1 2 5 1
Test for overall effect:	Z = 5.00	(P < 0)	.00001)					Decreased in PCOS sister Increased in PCOS sister

Forest plot of hypertension prevalence in sisters of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M-H = Mantel-Haenszel.

	PCO	S sist	er	Contr	ol sis	ter	5	Std. Mean Difference		Std. Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% CI	Year	IV, Fixed, 95% CI
Yilmaz 2005	124.1	9.7	25	124.6	9.7	20	5.3%	-0.05 [-0.64, 0.54]	2005	
Dunaif and Legro	116	14	344	113	13	479	94.7%	0.22 [0.08, 0.36]	2011	
Total (95% CI)			369			499	100.0%	0.21 [0.07, 0.34]		•
Heterogeneity: Chi <sup>2</sup> =	0.79, df	= 1 (	P = 0.3	$(7); I^2 =$	0%					
Test for overall effect:	Z = 3.03	3 (P =	0.002	)						Lower in PCOS sister Higher in PCOS sister

Forest plot of systolic blood pressure in sisters of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M-H = Mantel-Haenszel.

	PCOS	s sist	er	Cont	rol sis	ter		Std. Mean Difference		Std. Mean D	Difference	
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% CI	Year	IV, Fixed,	95% CI	
Yilmaz 2005	162.5	21	25	161.4	19.1	20	5.3%	0.05 [-0.53, 0.64]	2005			
Dunaif and Legro	182	36	476	169	35	345	94.7%	0.37 [0.23, 0.50]	2011			
Total (95% CI)			501			365	100.0%	0.35 [0.21, 0.48]			•	
Heterogeneity: Chi <sup>2</sup> = Test for overall effect:					2%					-1 -0.5 0 ower in PCOS sister	0.5 Higher in PCOS	1

Forest plot of total cholesterol in sisters of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M-H = Mantel-Haenszel.

	PCO	S sist	er	Cont	rol sis	ter	9	Std. Mean Difference		Std. Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% CI	Year	IV, Fixed, 95% CI
Yilmaz 2005	90.6	18.5	25	90.3	16.9	20	5.4%	0.02 [-0.57, 0.60]	2005	
Dunaif and Legro	111	31	470	102	30	342	94.6%	0.29 [0.15, 0.43]	2011	
Total (95% CI)			495			362	100.0%	0.28 [0.14, 0.42]		•
Heterogeneity: Chi <sup>2</sup> = Test for overall effect:					0%					Lower in PCOS sisters Higher in PCOS sisters

Forest plot of low-density lipoprotein cholesterol in sisters of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M-H = Mantel-Haenszel.

	PCC	)S sist	er	Cont	rol sis	ter		Std. Mean Difference		Std. Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% CI	Year	IV, Fixed, 95% CI
Yilmaz 2005	89.6	21.7	25	85.1	20.8	20	5.3%	0.21 [-0.38, 0.80]	2005	- <u>+-</u>
Dunaif and Legro	128	116	476	101	61	345	94.7%	0.28 [0.14, 0.42]	2011	
Total (95% CI)			501			365	100.0%	0.27 [0.14, 0.41]		•
Heterogeneity: Chi <sup>2</sup> =	0.05, d	f = 1 (	P = 0.8	(2); I <sup>2</sup> =	0%					<u> </u>
Test for overall effect:	Z = 3.9	8 (P <	0.000	1)						Lower in PCOS sister Higher in PCOS sister

Forest plot of triglycerides in sisters of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M-H = Mantel-Haenszel.

	PCO	S sist	ter	Conti	rol sis	ter	1	Std. Mean Difference		Std. Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% CI	Year	IV, Fixed, 95% CI
Yilmaz 2005	76.2	6.3	25	76.4	6.5	20	5.3%	-0.03 [-0.62, 0.56]	2005	
Dunaif and Legro	72	10	343	71	10	479	94.7%	0.10 [-0.04, 0.24]	2011	+
Total (95% CI)			368			499	100.0%	0.09 [-0.04, 0.23]		•
Heterogeneity: Chi <sup>2</sup> = Test for overall effect:					0%					-1 -0.5 0 0.5 1 Lower in PCOS sister Higher PCOS sister

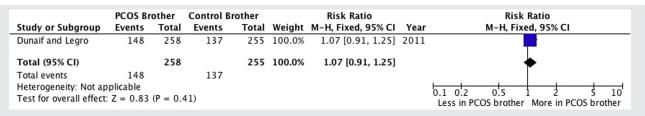
Forest plot of diastolic blood pressure in sisters of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M-H = Mantel-Haenszel.

	PCC	S sist	er	Cont	rol sis	ter	5	Std. Mean Difference		Std. Mean Difference	
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% CI	Year	IV, Fixed, 95% CI	
Yilmaz 2005	54.5	10.6	25	54.6	10.9	20	5.3%	-0.01 [-0.60, 0.58]	2005	+	
Dunaif and Legro	47	14	475	47	14	345	94.7%	0.00 [-0.14, 0.14]	2011		
Total (95% CI)			500			365	100.0%	-0.00 [-0.14, 0.13]		4	
Heterogeneity: Chi <sup>2</sup> = Test for overall effect:				(8); I <sup>2</sup> =	0%					-10 -5 0 5 Lower in PCOS sister Higher in PCOS	10 sister

Forest plot of high-density lipoprotein cholesterol in sisters of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M-H = Mantel-Haenszel.



Forest plot of dyslipidemia prevalence in sisters of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M-H = Mantel-Haenszel.



 $\label{eq:product} Forest plot of dyslipidemia prevalence in brothers of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M-H = Mantel-Haenszel.$ 

	PCOS	Brot	her	Contro	Brot	her	5	itd. Mean Difference		Std. Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% CI	Year	IV, Fixed, 95% CI
Yilmaz 2005	76.5	6.5	17	76.3	6.5	15	6.5%	0.03 [-0.66, 0.72]	2005	
Baillergeon 2007	74	12	17	68	10	28	8.3%	0.55 [-0.07, 1.16]	2007	<u> </u>
Dunaif and Legro	77	11	158	76	9	309	85.2%	0.10 [-0.09, 0.29]	2011	<b>#</b>
Total (95% CI)			192			352	100.0%	0.13 [-0.04, 0.31]		•
Heterogeneity: Chi <sup>2</sup> = Test for overall effect:					0%					-2 -1 0 1 2 Lower in PCOS brother Higher in PCOS brothe

Forest plot of diastolic blood pressure in brothers of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M-H = Mantel-Haenszel.

	PCOS	Broth	ner	Contr	ol Brot	her	5	Std. Mean Difference		Std. Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	Year	IV, Random, 95% CI
Yilmaz 2005	212.8	42	17	160.7	23.8	15	44.9%	1.46 [0.67, 2.26]	2005	
Dunaif and Legro	190	41	258	181	38	255	55.1%	0.23 [0.05, 0.40]	2011	·
Total (95% CI)			275			270	100.0%	0.78 [-0.42, 1.99]		
Heterogeneity: Tau <sup>2</sup> = Test for overall effect:				f = 1 (P	= 0.00	3); I <sup>2</sup> =	89%			Lower in PCOS brother Higher in PCOS brother

Forest plot of total cholesterol in brothers of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M–H = Mantel–Haenszel.

	PCO	5 Broti	ner	Contr	ol Brot	her	:	Std. Mean Difference		Std. Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	Year	IV, Random, 95% CI
Yilmaz 2005	124.2	38.7	17	90.7	18.2	15	23.1%	1.06 [0.31, 1.81]	2005	
Baillergeon 2007	115.4	30.1	17	110.8	40.9	28	28.6%	0.12 [-0.48, 0.72]	2007	
Dunaif and Legro	114	33	242	110	32	245	48.3%	0.12 [-0.05, 0.30]	2011	<b>1</b>
Total (95% CI)			276				100.0%	0.34 [-0.14, 0.82]		· · · · · · · · · · · · · · · · · · ·
Heterogeneity: Tau <sup>2</sup> = Test for overall effect:				f = 2 (P =	= 0.06	); l <sup>2</sup> = (	55%			Lower in PCOS brothers Higher in PCOS brothers

Forest plot of low-density lipoprotein cholesterol in brothers of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M-H = Mantel-Haenszel.

	PCO	S Brot	her	Contr	ol Brot	her		Std. Mean Difference		Std. Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% CI	Year	IV, Fixed, 95% CI
Yilmaz 2005	51.3	11.2	17	51.8	10.4	15	5.4%	-0.04 [-0.74, 0.65]	2005	
Baillergeon 2007	44.4	13.1	17	47.9	9.7	28	7.1%	-0.31 [-0.92, 0.30]	2007	
Dunaif and Legro	43	12	258	43	11	255	87.4%	0.00 [-0.17, 0.17]	2011	
Total (95% CI) Heterogeneity: Chi <sup>2</sup> = Test for overall effect:					0%	298	100.0%	-0.02 [-0.19, 0.14]		Lower in PCOS brother Higher in PCOS brother

Forest plot of high-density lipoprotein cholesterol in brothers of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M-H = Mantel-Haenszel.

	PCOS Brother Mean SD Total			Control Brother			Std. Mean Difference			Std. Mean Difference	
Study or Subgroup				Mean SD Tota		Total	Weight IV, Random, 95% Cl		Year	IV, Random, 95% CI	
Yilmaz 2005	175.1	65.3	17	101.4	38.9	15	44.1%	1.32 [0.54, 2.09]	2005		
Dunaif and Legro	174	150	258	148	117	255	55.9%	0.19 [0.02, 0.37]	2011		
Total (95% CI)			275			270	100.0%	0.69 [-0.40, 1.78]			
Heterogeneity: $Tau^2 = 0.55$ ; $Chi^2 = 7.68$ , $df = 1$ (P = 0.006); $I^2 = 87\%$ Test for overall effect: Z = 1.23 (P = 0.22)										-2 -1 0 1 2	

Forest plot of triglyceride in brothers of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M-H = Mantel-Haenszel.

	PCOS Br	other	Control Brother			Risk Ratio		Risk Ratio		
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% CI	Year	M-H, Fixed, 95% CI		
Dunaif and Legro	58	171	27	307	100.0%	3.86 [2.54, 5.85]	2011			
Total (95% CI)		171		307	100.0%	3.86 [2.54, 5.85]		•		
Total events	58		27							
Heterogeneity: Not ap	plicable							01 02 05 1 2 5 10		
Test for overall effect:	Z = 6.35	(P < 0.0	00001)					Less in PCOS brother More in PCOS brother		

Forest plot of hypertension prevalence in brothers of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M–H = Mantel–Haenszel.

	PCOS Brother			Control Brother				Std. Mean Difference	Std. Mean Difference	
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% CI	Year	IV, Fixed, 95% CI
Yilmaz 2005	126.2	9.7	17	124.9	9.8	15	6.5%	0.13 [-0.57, 0.83]	2005	
Baillergeon 2007	124	19	17	120	13	28	8.6%	0.25 [-0.35, 0.86]	2007	
Dunaif and Legro	126	16	158	123	13	309	84.9%	0.21 [0.02, 0.40]	2011	
Total (95% CI)			192			352	100.0%	0.21 [0.03, 0.39]		•
Heterogeneity: Chi <sup>2</sup> = Test for overall effect:				6); I <sup>2</sup> = 0	)%				Low	-2 -1 0 1 2 ver in PCOS brother Higher in PCOS

Forest plot of systolic blood pressure in brothers of patients with polycystic ovary syndrome (PCOS) and controls. CI = confidence interval; M–H = Mantel–Haenszel.