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eTable 1: Study characteristics

Authors	Population	Age / sex ratio	Baseline drug status	State	Drugs	Weeks	Sample	Metabolic markers	Outcomes
Ak et al.[28]	8 (psychotic disorder)	21.5 years; 100% of males	Drug-free	In-patient	Olan	4	Plasma	TG, glucose, HDL, LDL, TC	Leptin
Atmaca et al.[26]	21 (SCZ)	30.4 y; NS	Drug-free	NS	Olan	6	Plasma	TG, glucose	Leptin
Atmaca et al.[34]	53 (SCZ)	Cloz: 31.3 y; 38.5%; Olan: 29.6 y; 46.2%; Quet: 30.1 y; 42.9%; Risp : 27.9 y; 53.8%	Drug-free	In-patient	Cloz (13), Olan (13), Quet (14), Risp (13)	6	Serum	TG	Leptin
Baptista et	60 (SCZ)	46 y; 56.7%	Antipsychotic	NS	Olan	16	Serum	Glucose,	Leptin

al.[58]								insulin	
Basoglu et al.[59]	22 (SCZ)	21.2 y; 100%	Drug-naive	In-patient	Olan	6	Plasma	TG, glucose, HDL, LDL	Ghrelin, leptin
Brandl et al.[60]	20 (SCZ-SA)	NS; NS	NS	NS	Mixed	2	Plasma	None	Leptin
Chiu et al.[36]	26 (SCZ)	37.3 y; 69.2%	Drug-free	In-patient	Olan (13) Risp (13)	2	Plasma	TG, glucose, HDL, LDL, TC, insulin	Leptin
Ebenbichler et al.[56]	14 (SCZ)	NS; NS	Drug-Free	In-patient	Olan	10	Serum	None	Leptin
Fitzgerald et al.[61]	22 (SCZ)	34.6 y; 0%	Antipsychotic	Mixed	Mixed	12	Plasma	None	Leptin
Hosojima et al.[27]	13 (SCZ)	37 y; 69.2%	Drug-Free	In-patient	Olan	4	Serum	Glucose, insulin	Ghrelin, leptin
Kim et al.[62]	24 (SCZ)	34.3 y; 100%	Drug-Free	In-patient	Olan	24	Plasma	TG, glucose,	Ghrelin,

				patient				HDL, LDL, TC	leptin
Kivircik et al.[30]	19 (SCZ)	37.4 y; 42.1%	Antipsychotic	Mixed	Cloz	10	Serum	None	Leptin
Kraus et al.[33] *	32 (SCZ)	Cloz : 37 y; 36.4% Halo : 36 y; 46.2% Olan : 26 y; 37.5%	NS	In-patient	Cloz (11) Halo (13) Olan (8)	4	Plasma	None	Leptin
Murashita et al.[63]	7 (SCZ)	46.3 y; 57.1%	Antipsychotic	Out-patient	Olan	24	Serum	TG, glucose, HDL, LDL, TC, insulin	Ghrelin, leptin
Ozguven et al.[40]	30 (SCZ-spectrum)	Olan : 38.8 y; 0% Quet : 33.9 y ; 0%	NS	In-patient	Olan (15) Quet (15)	6	Serum	TG, glucose, LDL, HDL, TC	Leptin
Perez-Iglesias et	70 (SCZ-spectrum)	28.6 y; 62.9%	Drug-naive	Mixed	Halo (21) Olan (23)	52	Serum	Insulin	Ghrelin, leptin

al.[38]					Risp (26)				
Popovic et al.[37]	13 (SCZ)	28.8 y; 50%	Antipsychotic	NS	Mixed	12	Serum	Glucose, insulin	Ghrelin, leptin
Raposo et al.[41]	34 (SCZ)	35 y; 100%	Drug-Free	In-patient	Halo (16) Olan (18)	36	Serum	TG, HDL, LDL, TC	Leptin
Sarandol et al.[31]	40 (SCZ)	34.9 y; 45%	Mixed	NS	Mixed	6	Serum	TG, HDL, LDL, TC	Leptin
Smith et al.[39]	46 (SCZ-SA)	Olan : 41.2 y; 100% Risp : 42.5 y; 95.7%	Antipsychotic	In-patient	Olan (23) Risp (23)	20	Serum	TG, HDL, LDL, TC	Ghrelin, leptin
Stip et al.[64]	15 (SCZ)	35.8 y; 73.3%	Antipsychotic	Out-patient	Olan	16	Plasma	TG, glucose, HDL, LDL, TC, insulin	Ghrelin, leptin
Tanaka et al.[32]	28 (SCZ)	30.3 y; 64.3%	Drug-Free	In-patient	Olan	16	Serum	TG, glucose, HDL, LDL, TC, insulin	Ghrelin, leptin

Templeman et al.[29]	73 (SCZ)	25.3 y; 75.3%	Drug-naive	NS	Mixed	36	Plasma	None	Leptin
Theisen et al.[55]	11 (SCZ-spectrum)	31 y; 45.5%	Antipsychotic	In-patient	Cloz	10	Serum	None	Ghrelin, leptin
Tschoner et al.[35]	28 (SCZ)	34.2 y; 57.1%	Drug-Free	Out-patient	Mixed	4	Plasma	Glucose, HDL, LDL, TC, insulin	Leptin
Venkatasubramanian et al.[65]	27 (SCZ)	32 y; 52.6%	Drug-naive	NS	Mixed	12	Serum	None	Leptin
Yanik et al.[66]	17 (SCZ)	22.4 y; 100%	Drug-naive	In-patient	Risp	4	Plasma	None	Leptin
Zhang et al.[67]	46 (SCZ)	26.5 y; 58.7%	Drug-naive	In-patient	Mixed	10	Plasma	TG, glucose, HDL, LDL, TC, insulin	Leptin

CLOZ=clozapine; DM=diabetes mellitus; NS=non-specified; OLAN=olanzapine; QUET=quetiapine; RISP=risperidone; SCZ=schizophrenia; SA=schizo-affective disorder; SCZ-S=schizophrenia-spectrum; TG= triglycerides; TC = total cholesterol; * This is the only multiple-arm study that was not a randomized trial