

GOKIND STUDY
SUMMARY OF CLINICAL AND BIOCHEMICAL CHARACTERISTICS OF PARENTS OF ELIGIBLE TRIO PROBANDS
JOSLIN CLINIC - FINAL PHASE 1 GOKIND - DATA AS OF &t_asefc

CHARACTERISTIC	STATISTICS/ CATEGORIES	CASE		CONTROL	
		FATHER	MOTHER	FATHER	MOTHER
N=:		177	177	149	149
AGE AT ENTRY:	n	177	177	149	149
	mean (std)	68.3 (8.3)	66.3 (8.3)	64.8 (8.6)	63.0 (8.4)
	minimum	42.0	40.0	46.0	40.0
	25th-percentile	63.0	60.0	59.0	57.0
	median	68.0	66.0	64.0	62.0
	75th-percentile	74.0	72.0	72.0	69.0
	maximum	91.0	86.0	83.0	82.0
RACE:	white	173 (97.7 %)	171 (96.6 %)	149 (100.0 %)	146 (98.0 %)
	black	2 (1.1 %)	2 (1.1 %)	0 (0.0 %)	0 (0.0 %)
	hispanic	1 (0.6 %)	2 (1.1 %)	0 (0.0 %)	1 (0.7 %)
	asian/pacific island	0 (0.0 %)	1 (0.6 %)	0 (0.0 %)	1 (0.7 %)
	other	1 (0.6 %)	1 (0.6 %)	0 (0.0 %)	1 (0.7 %)
DIABETES(TYPE 1 & TYPE 2):	no	144 (81.4 %)	148 (83.6 %)	127 (85.2 %)	139 (93.3 %)
	yes	33 (18.6 %)	29 (16.4 %)	22 (14.8 %)	10 (6.7 %)
TYPE 1 or TYPE 2 DIABETES(DIAB.ONLY):	1) Type 1 Diabetes	3 (9.1 %)	2 (6.9 %)	5 (22.7 %)	1 (10.0 %)
	2) Type 2 Diabetes	28 (84.8 %)	27 (93.1 %)	17 (77.3 %)	9 (90.0 %)
	3) Unknown Type Diab	2 (6.1 %)	0 (0.0 %)	0 (0.0 %)	0 (0.0 %)
DURATION of DIAB(yrs)(DIAB ONLY):	n	32	29	22	10
	mean (std)	16.5 (14.3)	11.7 (10.5)	20.5 (15.9)	16.9 (11.8)
	minimum	0.0	0.0	1.0	4.0
	25th-percentile	3.0	3.0	5.0	8.0
	median	15.5	7.0	14.0	12.5

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		FATHER	MOTHER	FATHER	MOTHER
	75th-percentile	26.5	20.0	32.0	28.0
	maximum	53.0	31.0	55.0	38.0

CHARACTERISTIC	STATISTICS/ CATEGORIES	CASE		CONTROL	
		FATHER	MOTHER	FATHER	MOTHER
TAKING INSULIN(DIAB. ONLY)	no	20 (60.6 %)	19 (65.5 %)	11 (50.0 %)	5 (50.0 %)
	yes	13 (39.4 %)	10 (34.5 %)	11 (50.0 %)	5 (50.0 %)
INSUL. REGIMEN(TAKING INSULIN ONLY)	<2 Shots	2 (15.4 %)	1 (10.0 %)	1 (9.1 %)	0 (0.0 %)
	MDI	10 (76.9 %)	8 (80.0 %)	8 (72.7 %)	4 (80.0 %)
	pump	1 (7.7 %)	1 (10.0 %)	2 (18.2 %)	1 (20.0 %)
INSUL DOSAGE(units/kg/day):	n	13	10	11	5
	mean (std)	0.6 (0.3)	0.6 (0.2)	0.6 (0.2)	0.5 (0.1)
	minimum	0.1	0.4	0.3	0.3
	25th-percentile	0.4	0.5	0.5	0.4
	median	0.6	0.5	0.7	0.5
	75th-percentile	0.7	0.6	0.8	0.6
	maximum	1.0	0.9	1.0	0.6
FOCAL LASER TREATMENT:	no	175 (98.9 %)	176 (99.4 %)	149 (100.0 %)	148 (99.3 %)
	yes	0 (0.0 %)	1 (0.6 %)	0 (0.0 %)	0 (0.0 %)
	unknown	2 (1.1 %)	0 (0.0 %)	0 (0.0 %)	0 (0.0 %)
PAN-RETINAL LASER TREATMENT:	no	169 (95.5 %)	172 (97.2 %)	141 (94.6 %)	147 (98.7 %)
	yes	6 (3.4 %)	5 (2.8 %)	8 (5.4 %)	1 (0.7 %)
	unknown	2 (1.1 %)	0 (0.0 %)	0 (0.0 %)	0 (0.0 %)

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		FATHER	MOTHER	FATHER	MOTHER
ESRD:	no	177 (100.0 %)	176 (99.4 %)	149 (100.0 %)	149 (100.0 %)
	yes	0 (0.0 %)	1 (0.6 %)	0 (0.0 %)	0 (0.0 %)
ACR1(ug/mg)(NON_ESRD ONLY):	n	174	172	146	146
	mean (std)	104.3 (469.7)	80.2 (512.2)	31.1 (106.8)	30.1 (189.1)
	minimum	0.5	0.8	0.5	0.6
	25th-percentile	5.4	5.9	4.4	4.8
	median	9.2	10.0	6.3	7.0
	75th-percentile	25.0	17.9	11.9	11.5
	maximum	5550.2	6339.4	950.0	2274.0

CHARACTERISTIC	STATISTICS/ CATEGORIES	CASE		CONTROL	
		FATHER	MOTHER	FATHER	MOTHER
CARDIOVASCULAR COMPLICATION:	no	73 (41.2 %)	82 (46.3 %)	72 (48.3 %)	93 (62.4 %)
	yes	104 (58.8 %)	95 (53.7 %)	77 (51.7 %)	56 (37.6 %)
HYPERTENSIVE:	no	86 (48.6 %)	88 (49.7 %)	80 (53.7 %)	98 (65.8 %)
	yes	90 (50.8 %)	89 (50.3 %)	69 (46.3 %)	51 (34.2 %)
	unknown	1 (0.6 %)	0 (0.0 %)	0 (0.0 %)	0 (0.0 %)
AUTO-IMMUNE DISEASE:	No	176 (99.4 %)	175 (98.9 %)	143 (96.0 %)	146 (98.0 %)
	Yes (with 1 disease)	1 (0.6 %)	2 (1.1 %)	5 (3.4 %)	3 (2.0 %)
	Yes (with >1 disease)	0 (0.0 %)	0 (0.0 %)	1 (0.7 %)	0 (0.0 %)
SYSTOLIC BP (mm Hg):	n	174	175	147	148
	mean (std)	130.5 (13.3)	129.4 (15.5)	130.4 (12.1)	124.9 (13.0)
	minimum	100.0	88.0	107.0	96.0

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CHARACTERISTIC	STATISTICS/ CATEGORIES	CASE		CONTROL	
		FATHER	MOTHER	FATHER	MOTHER
	25th-percentile	120.0	120.0	120.0	117.0
	median	130.0	130.0	130.0	124.0
	75th-percentile	140.0	140.0	138.0	133.5
	maximum	163.0	181.0	167.5	160.0
DIASTOLIC BP (mm Hg):	n	174	175	147	148
	mean (std)	76.0 (9.3)	74.8 (8.6)	77.3 (7.2)	75.1 (8.2)
	minimum	58.0	47.0	58.0	51.0
	25th-percentile	70.0	69.0	72.0	70.0
	median	76.0	76.0	78.0	76.0
	75th-percentile	83.0	80.0	82.0	80.0
	maximum	100.0	97.0	98.0	96.0

CHARACTERISTIC	STATISTICS/ CATEGORIES	CASE		CONTROL	
		FATHER	MOTHER	FATHER	MOTHER
BODY MASS INDEX (kg/m2):	n	176	177	148	149
	mean (std)	28.6 (4.5)	27.2 (5.0)	27.7 (4.0)	27.1 (5.2)
	minimum	19.8	18.0	16.5	19.0
	25th-percentile	25.3	23.5	25.0	23.2
	median	28.0	26.7	27.1	25.9
	75th-percentile	31.2	30.2	30.1	29.5
	maximum	44.5	45.8	42.9	47.8
GFR(Cockcroft-Gault)(ml/min):	n	131	132	134	136
	mean (std)	83.0 (27.0)	75.7 (47.2)	84.8 (21.7)	76.1 (23.9)

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		CASE		CONTROL	
CHARACTERISTIC	STATISTICS/ CATEGORIES	FATHER	MOTHER	FATHER	MOTHER
	minimum	25.4	12.1	33.5	19.6
	25th-percentile	63.9	54.7	71.5	62.8
	median	81.8	71.6	82.9	73.8
	75th-percentile	98.9	87.0	97.4	89.4
	maximum	213.4	540.1	169.4	175.8
HBA1C (%):	n	170	170	146	146
	mean (std)	5.9 (1.2)	5.7 (1.1)	5.8 (1.1)	5.5 (0.6)
	minimum	4.3	3.9	4.4	4.0
	25th-percentile	5.3	5.1	5.3	5.2
	median	5.6	5.4	5.5	5.4
	75th-percentile	6.0	5.9	5.8	5.6
	maximum	11.8	10.7	12.4	8.9

		CASE		CONTROL	
CHARACTERISTIC	STATISTICS/ CATEGORIES	FATHER	MOTHER	FATHER	MOTHER
TOTAL CHOLESTEROL (mg/dL):	n	130	131	135	136
	mean (std)	194.1 (37.4)	213.6 (39.1)	189.8 (36.6)	216.5 (39.0)
	minimum	113.0	138.0	107.0	123.0
	25th-percentile	170.0	186.0	168.0	192.5
	median	191.0	213.0	187.0	213.0
	75th-percentile	218.0	240.0	217.0	236.5
	maximum	299.0	335.0	314.0	345.0
HDL (mg/dL):	n	131	132	135	136

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CHARACTERISTIC	STATISTICS/ CATEGORIES	FATHER	MOTHER	FATHER	MOTHER
	mean (std)	46.4 (14.4)	57.1 (17.5)	46.0 (13.7)	56.8 (14.0)
	minimum	22.0	30.0	18.0	27.0
	25th-percentile	36.0	44.0	36.0	46.5
	median	43.0	53.0	44.0	54.5
	75th-percentile	55.0	65.0	53.0	65.0
	maximum	102.0	112.0	97.0	102.0
SERUM CREATININE (mg/dL):	n	117	130	131	133
	mean (std)	1.1 (0.2)	0.9 (0.2)	1.1 (0.2)	0.9 (0.1)
	minimum	0.5	0.1	0.8	0.5
	25th-percentile	1.0	0.8	0.9	0.8
	median	1.1	0.9	1.0	0.9
	75th-percentile	1.2	1.0	1.2	1.0
	maximum	1.5	1.4	1.5	1.4

		CASE		CONTROL	
CHARACTERISTIC	STATISTICS/ CATEGORIES	FATHER	MOTHER	FATHER	MOTHER
SERUM CYSTATIN (mg/L):	n	131	132	135	135
	mean (std)	1.2 (0.4)	1.1 (0.6)	1.1 (0.3)	1.0 (0.3)
	minimum	0.7	0.7	0.5	0.6
	25th-percentile	0.9	0.9	0.9	0.8
	median	1.1	1.0	1.0	1.0
	75th-percentile	1.3	1.2	1.1	1.1
	maximum	2.6	6.7	2.3	2.4

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CHARACTERISTIC	STATISTICS/ CATEGORIES	FATHER	MOTHER	FATHER	MOTHER
ABNORMAL SERUM CREATININE:	no	158 (89.3 %)	169 (95.5 %)	144 (96.6 %)	143 (96.0 %)
	yes	19 (10.7 %)	8 (4.5 %)	5 (3.4 %)	6 (4.0 %)
TAKING LIPID LOWERING MEDICATION:	no	122 (68.9 %)	132 (74.6 %)	95 (63.8 %)	112 (75.2 %)
	yes	55 (31.1 %)	45 (25.4 %)	54 (36.2 %)	37 (24.8 %)
TAKING ACE INHIBITORS:	no	116 (65.5 %)	131 (74.0 %)	113 (75.8 %)	120 (80.5 %)
	yes	61 (34.5 %)	46 (26.0 %)	36 (24.2 %)	29 (19.5 %)
TAKING ANTI-HYPERTENSIVE DRUGS:	no	96 (54.2 %)	112 (63.3 %)	95 (63.8 %)	104 (69.8 %)
	yes	81 (45.8 %)	65 (36.7 %)	54 (36.2 %)	45 (30.2 %)

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