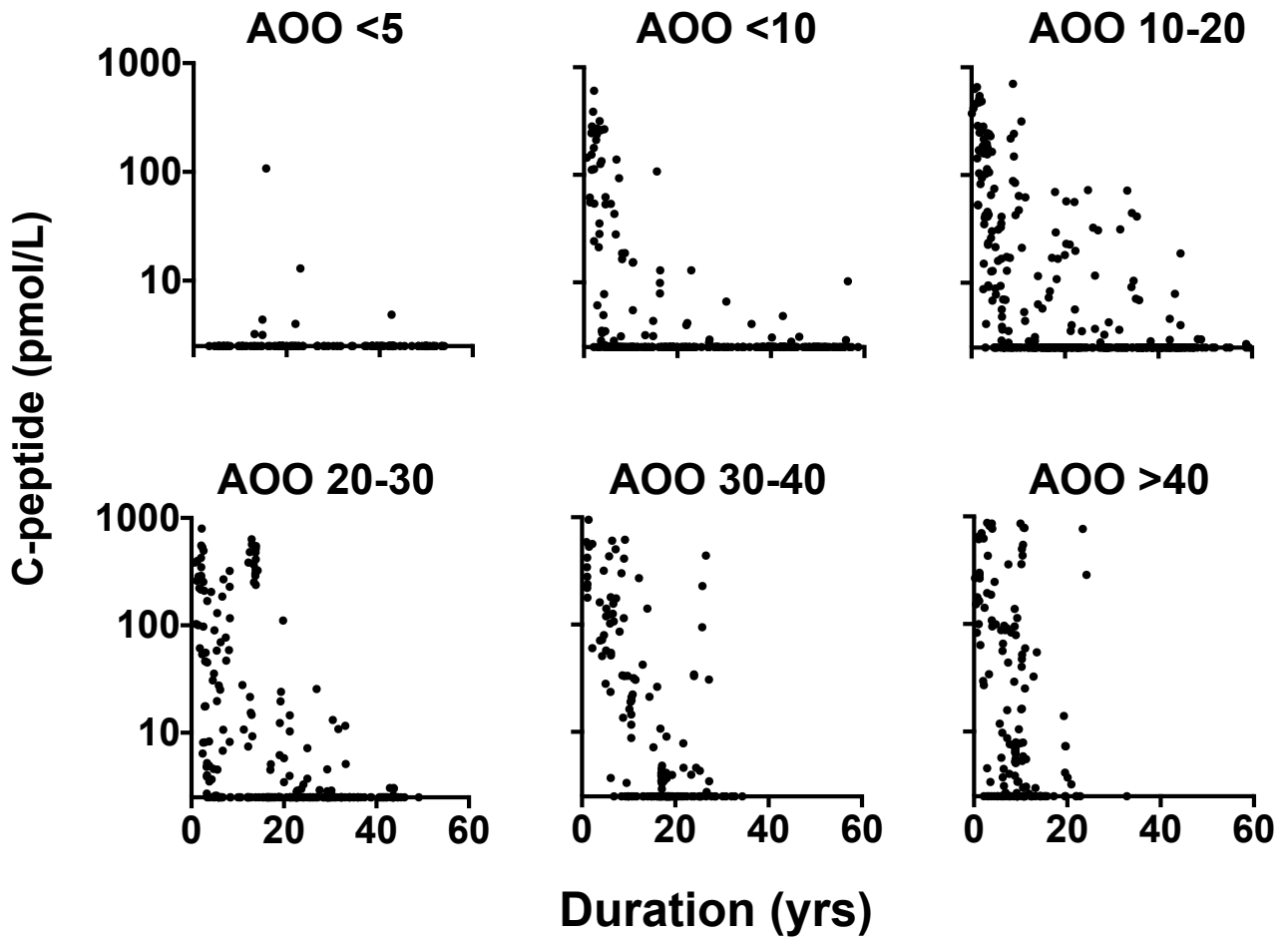


## Clinical Characteristics Table for C-peptide versus Duration

	Average or Total (St. Dev)	Range	Median
<b>Number of Subject</b>	1,272	————	————
<b>Percent Female (%)</b>	43.2	————	————
<b>Age (yrs)</b>	39.6 ( $\pm 16.7$ )	5.0 – 84.0	43.0
<b>Age of Onset (yrs)</b>	20.6 ( $\pm 14.2$ )	1.0 – 69.0	17.0
<b>Duration (yrs)</b>	19.0 ( $\pm 14.8$ )	0.1 – 72.4	16.5
<b>C-peptide (pmol/L)</b>	53.1 ( $\pm 137.8$ )	2.5 – 1171.1	2.5

A



B

<5						
<10	0.014					
10-20	$3 \times 10^{-6}$	0.002				
20-30	$7 \times 10^{-6}$	0.002	0.37			
30-40	$1 \times 10^{-4}$	0.003	0.171	0.252		
>40	$3 \times 10^{-8}$	$1 \times 10^{-6}$	$6 \times 10^{-4}$	0.002	0.016	
Age of Onset	<5	<10	10-20	20-30	30-40	>40

## Clinical Characteristics for subjects in Figure 2A

	Average or Total (St. Dev)	Range	Median	IQR
<b>Number of Subjects</b>	323	_____	_____	_____
<b>Percent Female (%)</b>	47.4	_____	_____	_____
<b>Age (yrs)</b>	40.3 ( $\pm 16.0$ )	9.0 – 74.0	41.0	26.0 – 54.0
<b>Age of Onset (yrs)</b>	20.7 ( $\pm 14.0$ )	1.0 – 60.0	17.0	8.0 - 26.5
<b>Duration (yrs)</b>	19.6 ( $\pm 15.4$ )	0.1 – 70.0	16.0	9.0 – 34.0
<b>C-peptide (pmol/L)</b>	57.9 ( $\pm 149$ )	1.5 – 948.3	1.5	2.5 - 2.9

## Clinical Characteristics of subjects in Figure 2B

	Average or Total (S.E.M.)	Range	Median	IQR
<b>Number of Subjects</b>	1273	_____	_____	_____
<b>Percent Female (%)</b>	41.4	_____	_____	_____
<b>Age (yrs)</b>	39.5 ( $\pm 0.5$ )	5.0 – 84.0	41.9	29.0 – 53.0
<b>Age of Onset (yrs)</b>	19.4 ( $\pm 0.4$ )	1.0 – 60.0	16.0	10.0 – 29.0
<b>Duration (yrs)</b>	20.1 ( $\pm 0.4$ )	0.1 – 72.0	16.7	6.0 – 30.0
<b>HbA1c (%)</b>	7.3 ( $\pm 0.03$ )	4.7 – 13.7	7.2	6.8 – 7.9
<b>C-peptide (pmol/L)</b>	57.3 ( $\pm 4.5$ )	2.5 – 1972.0	2.5	1.5 – 28.3

**Supplemental Figure 4**

*Hypoglycemic Survey Instructions: Please answer each question by placing an 'X' in the appropriate box.*

- 1. Check the category that best describes you: (check one only)**

<input type="checkbox"/>	I always have symptoms when my blood sugar is low (A)
<input type="checkbox"/>	I sometimes have symptoms when my blood sugar is low (R)
<input type="checkbox"/>	I no longer have symptoms when my blood sugar is low (R)

- 2. Have you lost some of the symptoms that used to occur when your blood sugar was low?**

<input type="checkbox"/>	Yes (R)
<input type="checkbox"/>	No (A)

- 3. In the past six months how often have you had moderate hypoglycemia episodes? (Episodes where you might feel confused, disoriented, or lethargic and were unable to treat yourself)**

<input type="checkbox"/>	Never (A)
<input type="checkbox"/>	Once or twice (R)
<input type="checkbox"/>	Every other month (R)
<input type="checkbox"/>	Once a month (R)
<input type="checkbox"/>	More than once a month (R)

- 4. In the past year how often have you had severe hypoglycemic episodes? (Episodes where you were unconscious or had a seizure and needed glucagon or intravenous glucose)**

<input type="checkbox"/>	Never (A)
<input type="checkbox"/>	1 time (R)
<input type="checkbox"/>	2 times (R)
<input type="checkbox"/>	3 times (R)
<input type="checkbox"/>	4 times (R)
<input type="checkbox"/>	5 times (R)
<input type="checkbox"/>	6 times (R)
<input type="checkbox"/>	7 times (R)
<input type="checkbox"/>	8 times (R)
<input type="checkbox"/>	9 times (R)
<input type="checkbox"/>	10 times (R)
<input type="checkbox"/>	11 times (R)
<input type="checkbox"/>	12 or more times (U)

- 5. How often in the last month have you had readings <70mg/dL WITH symptoms?**

<input type="checkbox"/>	Never
<input type="checkbox"/>	1 to 3 times
<input type="checkbox"/>	1 time/week
<input type="checkbox"/>	2 to 3 times/week
<input type="checkbox"/>	4 to 5 times/week
<input type="checkbox"/>	Almost daily

- 6. How often in the last month have you had readings <70mg/dL WITHOUT symptoms?**

<input type="checkbox"/>	Never
<input type="checkbox"/>	1 to 3 times
<input type="checkbox"/>	1 time/week
<input type="checkbox"/>	2 to 3 times/week
<input type="checkbox"/>	4 to 5 times/week
<input type="checkbox"/>	Almost daily

*(Administrative use only: R= answer to #5 < answer to #6, A= answer to #6 > answer to #5)*

- 7. How low does your blood sugar need to go before you feel symptoms?**

<input type="checkbox"/>	60-90mg/dL (A)
<input type="checkbox"/>	50-59mg/dL (A)
<input type="checkbox"/>	40-49mg/dL (R)
<input type="checkbox"/>	<40mg/dL (R)

- 8. To what extent can you tell by your symptoms that your blood sugar is low?**

<input type="checkbox"/>	Never (R)
<input type="checkbox"/>	Rarely (R)
<input type="checkbox"/>	Sometimes (R)
<input type="checkbox"/>	Often (A)
<input type="checkbox"/>	Always (A)

*\* Administrative use only: Four or more R responses = reduced awareness; 2 or fewer R responses = aware.*



## Supplementary Figure 5

Clinical Characteristics Table for Hypoglycemia Survey Data in Figure 3

	Average or Total (St. Dev)	Range	Median
<b>Number of Subjects</b>	324	_____	_____
<b>Percent Female (%)</b>	47.4	_____	_____
<b>Age (yrs)</b>	40.3 (±16)	9 - 74	41
<b>Age of Onset (yrs)</b>	20.7 (±14)	1 - 60	17
<b>Duration (yrs)</b>	19.6 (±15.4)	0 - 70	16
<b>C-peptide (pmol/L)</b>	57.9 (±149)	1.5 – 948.3	1.5