

**Electronic Table A: Inclusion criteria**

1. The Research Ethics Board at the Hospital for Sick Children (Toronto, Canada) approved the protocol
2. Duration of type 1 DM  $\geq 5$  years, age  $\geq 16$  years
3. Tanner Stage 4–5 puberty
4. Normoalbuminuria [24 hour urine albumin excretion rate (AER)  $< 20$   $\mu\text{g}/\text{min}$
5. Clinic blood pressure  $< 140/90$  mmHg
6. No microvascular disease
7. No macrovascular disease
8. Non-smokers
9. No regular medication
10. Absence of chronic illness
11. Dietary sodium ( $> 140$  mmol/day) and protein ( $< 1.5$  gm/kg/day) within the desired range
12. Follicular phase of the menstrual cycle (determined by counting days and by measuring  $17\beta$ -estradiol levels)
13. Not currently using hormonal contraceptive agents

**Electronic Table B: Characteristics in hyperfiltering and normofiltering subjects (mean $\pm$ SD)**

Parameter	Hyperfiltering group (n=20)	Normofiltering group (n=18)
Age (years)	20 $\pm$ 4	22 $\pm$ 5
Gender (men:women)	13:7	12:6
Diabetes Duration (years)	15 $\pm$ 4	17 $\pm$ 5
Body Mass Index (kg/m <sup>2</sup> )	25.7 $\pm$ 3.9	25.2 $\pm$ 2.2
Albumin excretion rate ( $\mu\text{g}/\text{minute}$ )	5.5 $\pm$ 4.1	3.9 $\pm$ 5.1
Sodium excretion (mmol/day)	270 $\pm$ 71	257 $\pm$ 92
Protein intake (gm/kg/day)	0.98 $\pm$ 0.41	0.90 $\pm$ 0.46
Hemoglobin A1C (%)	8.6 $\pm$ 0.4	8.3 $\pm$ 0.2
Estradiol in women (pmol/L)	140 $\pm$ 38	184 $\pm$ 84

Urinary albumin excretion rate was determined from a 24 hour urine collection by immunoturbidimetry  
HbA1C was measured by high-performance liquid chromatography.