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BACKGROUND

- In earlier studies, restriction of dietary sodiul consumption decreased arterial stiffness.
- This effect was partially due to the blood pressure lowering effect of sodium restrictio
- Our preliminary data showed sodium consumption was not associated with blood pressure in women 6 month-3 years after delivering a singleton infant.
- The relationship between sodium consumpt and arterial stiffness in the same period soo after delivery is unclear.
- Further investigation is needed to understar relations of modifiable dietary habits and sensitive indices of vascular health in wome soon after delivery.

PURPOSE

- Our purpose was to determine whether selfreported dietary sodium consumption was related to arterial stiffness in women 6 mont 3 years after giving birth.
- We tested for effects of age and race/ethnici on relations of sodium and arterial stiffness.
- We hypothesized that higher sodium consumption would be associated with high arterial stiffness and that this result would pe after adjustment.

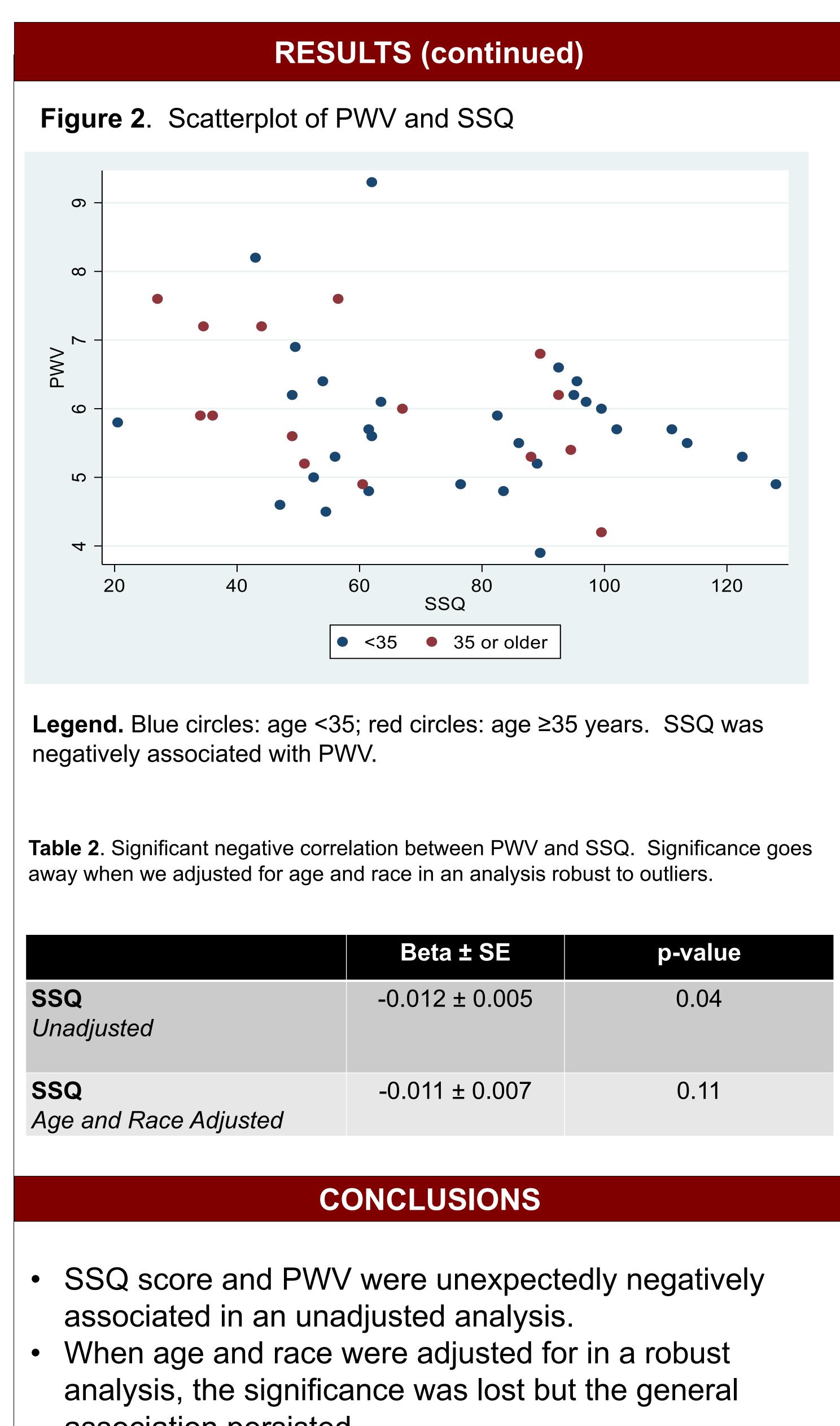
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Sodium Consumption and Arterial Stiffness in Women 6 Months- 3 Years After Delivery

	 METHODS (continued) We used a validated scored sodium questionnaire (SSQ) to obtain values of sodium consumption. 		
n			
	 Carotid and femoral waveforms were determined using applanation tonometry and SphygmaCor software. 		
ר.	 Pulse wave velocity was found by dividing the distance between carotid and femoral waveforms by the R wave of a simultaneously recorded ECG. 		
	Site B - FEMIDIAL	<i>Figure 1:</i> Applanation tonometry used to	
ion n	estimate pulse wave velocity.		
nd	4,8 ± 0,3	20 30 40 50 60 70 80 Age(years)	
n	 We examined associations between pulse wave velocity and sodium consumption using robust linear regression analyses. 		
	 We used age and race as adju 	stment variables.	
	Table 1. Description of participant characteristics (n=45).		
		Mean ± SE or %	
ns to	Age (yrs)	33 ± 1	
	BMI (kg/m²)	26.8 ± 0.9	
ity	Race (%) White Black Asian	77 21 2	
	ASIAN APO (%)	2 38	
er ersist	PWV (m/s)	5.9 ± 0.2	
515151	SSQ (range:0-215)	73 ± 4	
0038	Table Legend . BMI: Body mass index; APO: Adverse Pregnancy Outcome; PWV: Pulse Wave Velocity; SSQ: scored sodium questionnaire results.		

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• Arterial stiffness increases with age, so adding age to our model attenuated the association of sodium consumption with PWV. Further work is needed to determine the physiology underlying the observed association.

	Beta ± SE	p-value
	-0.012 ± 0.005	0.04
ce Adjusted	-0.011 ± 0.007	0.11

association persisted.