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Body weight changes during the induction of DOCA-salt hypertension Sehjat Seifil, Mehri Kadkhodaeel and Enayatollah Bakhshi? Jehran University of Social Welfare and Rehabilitation Sciences, Iran

Aim: There is evidence that confirm the link between body weight and blood pressure. In the present study, we investigated the Aim: There is evidence that the think between body weight and blood pressure. In the changes of body weight and renal sodium excretion in an experimental model of hypertension.

Methods: Right nephrectomy was carried out in the all control and test male Sprague-Dawley rats. Hypertension was induced by and 1% condition (20 mg/rat/week) and 1% condition (bloods and 1% conditions of the c Methods: Right nepartectionly was carried out in the all control and test male Sprague–Dawley rats. Hypertension was induced by subcutaneous deoxycorticosterone (DOCA) injection (20 mg/rat/week) and 1% sodium chloride and 0.2% potassium chloride added subcutaneous deoxycoracosecrone (20 mg/rat/week) and 1% sodium chloride and 0.2% potassium chloride added to the induction of hypertension.

Results: The treated rats exhibited a mild elevation of blood pressure at 1 week and a profound increase at 2, 3 and 4 weeks. The Results: The treated same pattern of increase was observed in these 4 weeks for fractional excretion of sodium. Although body weight remained almost

Conclusion: This study indicates a robust increase in the systolic blood pressure and fractional excretion of sodium in DOCA-salt reated rats without increasing in body weight. Thus it concluded that body weight may not contribute to onset and progression of the elevation of blood pressure in DOCA-salt hypertension model. Biography

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> Behjat Seifi has completed his PhD of Physiology at Tehran University of Medical Sciences. She is now Associate Professor in Physiology department at Tehran University genjar petit rise control of Medical Sciences. She has published 40 papers in journals that are indexed in PubMed in nephrology, hypertension and obesity

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