ABSTRACT

Background. Radiographic examination is one of the most important examination to help determine diagnosis of some cases. Based on the previous study, radiographic appearance shows the increase amount of nutrient canal in anterior mandibular region in male hypertensive patients. Nutrient canals referred to in the current study are those that contain blood vessels and nerves that supply the teeth, interdental spaces and gingivae. Purpose. This study was to determine the increase of nutrient canal in male patients with a systemic disease, especially hypertension. Result. Based on the research that has been done there is a significant differences in the appearance of the nutrient canal between non hypertension patient and hypertension patient. The percentage appearance of nutrient canal in male hypertensive patients higher than non hypertensive patient, the increase is significant.

Keywords : Hypertension, nutrient canal, radiographic examination, male