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Introducing the causes of nasal x-ray film requested in patients who referred with nasal trauma

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ABSTRACT

In this research, a descriptive study was done and 190 individual samples as questionnaire forms were collected from general physicians who attended in hospitals, educational and private centers in Kermanshah and Tehran cities, Iran. After collecting the questionnaires, data were analysed using SPSS 13 software and chi-square test. The results showed that in 74.2 % and 68.4 % of cases, nasal x-ray film was requested in patients with the prior history of cosmetic nasal surgery and medicolegal reasons, respectively which is in line with the work done by some researchers [2,3]. There were significant correlations among old nasal fracture, medicolegal reasons and prior history of cosmetic nasal surgery with requesting of nasal x-ray films (P-value <0.01), whereas there were not any significant correlations between requesting of nasal x-ray films and sexuality of physicians or type of centers (private and educational). The causes of nasal x-ray film requesting based on the viewpoint of physicians were: 1) medicolegal reasons, 2) the prior history of cosmetic nasal surgery and 3) old nasal fracture, respectively. According to these results, the frequency of nasal x-ray film requesting is relatively high and more studies in a longer time period are necessary to clarify the causes.

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Introduction

Nasal x-ray does not reveal the nasal fractures. Old fractures, with increasing the signs of vascular markings and suture lines may cause false-positive results [1].

Considering the high incidence of nasal trauma, need for correct diagnosis and appropriate treatment is essential, because the value of radiography in the diagnosis of fracture was lower and taking history and physical examination are based on diagnosis [4].

Unfortunately, most patients refer not only with a nasal x-ray film but also with several requested nasal x-ray films by physicians.

Due to the large number of nasal x-ray film requesting, before any medical action, it is important to ask physicians about its causes.

Thus, the objective of this research is to introduce the causes of nasal x-ray film requested in patients who referred with nasal trauma in 2010.

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