

## عنوان مقاله:

Examining the Amount of Unnecessary Knee MRI Prescription in the MRI Center of Bushehr University of Medical Sciences in 2018

## محل انتشار:

فصلنامه سیاستگذاری، مدیریت و اقتصاد سلامت مبتنی بر شواهد، دوره 4، شماره 2 (سال: 1399)

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## خلاصه مقاله:

Background: Many prevalent disorders were observed in and around the knee joint. Magnetic resonance imaging (MRI) was a modern and costly diagnostic technology that was progressively applied worldwide. This study was conducted in the Bushehr educational hospitals in 2018 with the purpose of determining the necessity of knee MRI prescriptions. Methods: This paper was a kind of cross-sectional descriptive-analytical study. The statistical population of the study was all patients who were prescribed knee MRI due to the appearance of knee problems and referred to the MRI Center of Bushehr University of Medical Sciences in 2018. The sampling method was convenient sampling. The sample in this study included 274 patients. The indications and data collection form of Vojdani et al. (39)'s study were used to specify the necessity of the mentioned prescriptions. In this study, SPSS 22 software was applied to analyze data. Also, the Chi-Square test was used to for analyzing the data. Results: Among the total studied population in this study, MRI prescription was evaluated inappropriately for approximately 24 % of patients. In this study, the appropriateness of the prescriptions had a significant relationship with age, job, education level, physician prescribing, and requesting MRI ( $P$ -value < 0.05). Conclusion: It could be deduced that about a quarter of MRI was not appropriate to clinical prescription. Regarding the high cost of hospital and the necessity of their reduction,

induced demand would be prevented by using valid indications. Therefore, reducing unnecessary prescriptions yielded to fewer costs of the health system and patients

## کلمات کلیدی:

Clinical Appropriateness, Knee Disorder, Clinical Practice Guidelines, Overuse

## لینک ثابت مقاله در پایگاه سیویلیکا:

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