

عنوان مقاله:

The review of Visipaque and its complication in the radiological examinations

محل انتشار:

بیست و دومین همایش سالیانه پزشکی هسته ای ایران (سال: 1397)

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خلاصه مقاله:

Background: Visipaque is in a group of drugs called radiopaque contrast agents and contains iodine, a substance that absorbs x-rays. Intravenous radiocontrast, is used for many different diagnostic procedures to enhance the images in various radiologic studies. Examples of studies include CT- scans, angiograms, and pyelograms. The aim of this study is review of Visipaque and its complication in the radiological examinations. **Methods:** In this reviewing library research, all the studies on Visipaque from 2005 - 2018 were examined by using keywords such as drug complication , Visipaque and radiocontrast in Google scholar, PubMed and Magiran databases. **Results:** There are two basic types of contrast media: ionic high-osmolality and nonionic low-osmolality. Both of them contain iodine and are administered intravenously. Most intravascular contrast media are derivatives of tri-iodobenzoic acid and iodine molecule is an effective x-ray absorber. Reactions to radiocontrast are observed in 5-8% of patients includes feeling of warmth, nausea, and vomiting. Moderate reactions, including severe vomiting, hives, and swelling, occur in 1% of patients and Severe is including anaphylaxis occur in 0.1% with an expected death rate of one person in every 75,000. The most severe reactions, including death have been reported to occur at similar rates with both types of contrast media. **Conclusions:** Generally, the total volume or dose is dependent upon several factors: iodine concentration of the contrast media; type of injectable contrast media ionic or nonionic; patient's body weight, anatomical regions; speed of the injection; and age or disease process that could increase the risk of an adverse reaction

کلمات کلیدی:

Visipaque, Drug Complication, Radiology, Radiocontrast Media

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