

ADVERSE REACTIONS TO RADIOPHARMACEUTICALS: LITERATURE REVIEW OF THE PAST 70 YEARS

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BACKGROUND

Till now very few reports on adverse reactions to radiopharmaceuticals (ADR) can be found in the literature. Over a period of 70 years no more than 34 articles have been published. The authors focus on the importance of proper data collection and the necessity of sharing results.



PURPOSE

To investigate how many and which types of ADR are reported in scientific literature. We reviewed articles from 1955 up to today.

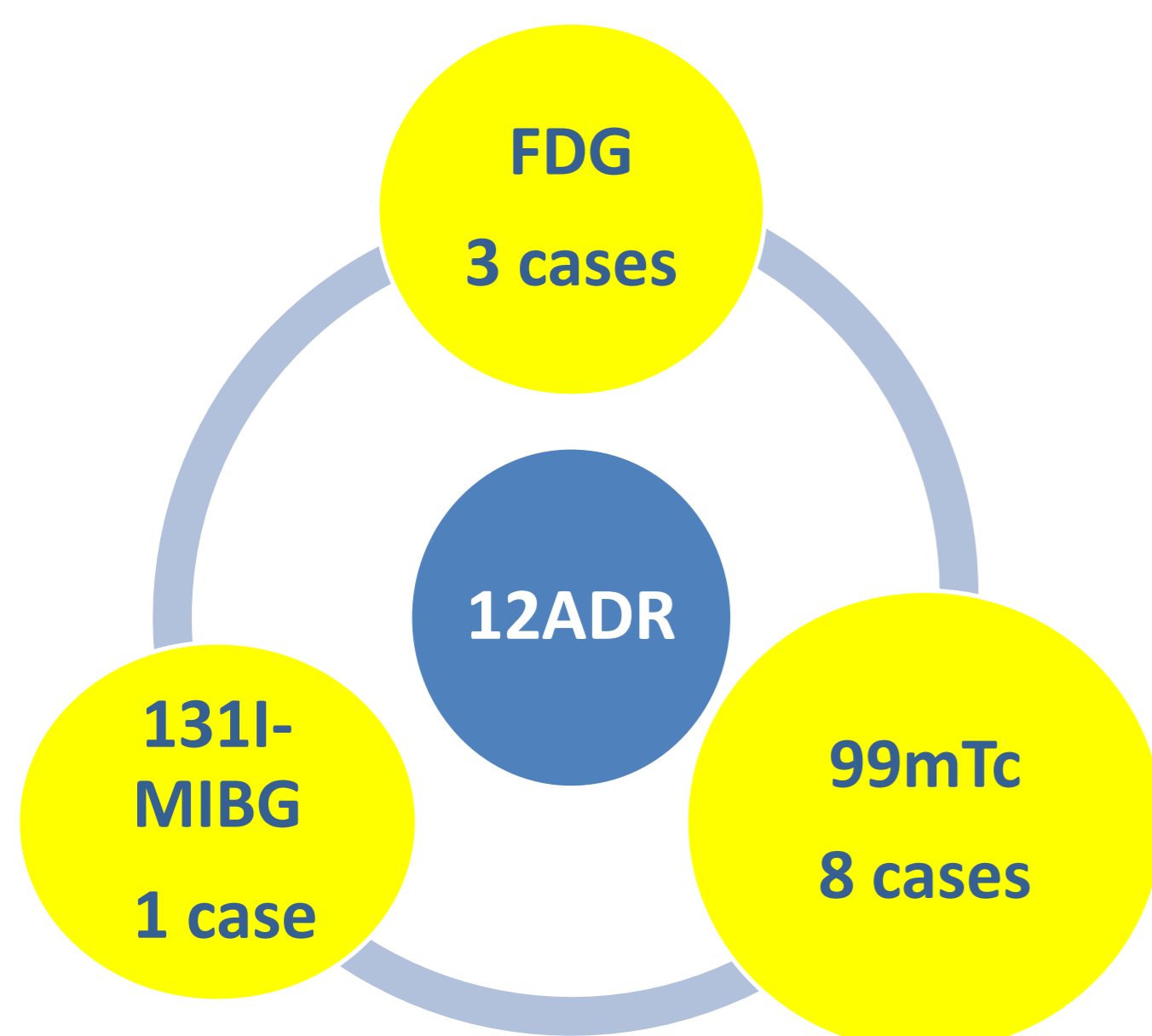
MATERIALS AND METHODS

The databases of PubMed, Embase, MedLine, Cochrane, Biomed Central, Google Scholar were searched up to September 2013 looking for reports on ADR.



RESULTS

Radiopharmaceuticals cause ADRs.



5 ADR were described as type I hypersensitivity reactions (anaphylactic)

8 cases with false positive reactions were found with FDG

SYMPTOMS REPORTED

Nausea

Circulatory collapse

Hypotension

Pruritus

Bronchospasm

Wheezing

Dermographism

Vomiting

CONCLUSIONS

There is a lack of information on ADR. Few studies have been carried out over the past 60 years. More studies are necessary to report as many cases as possible through active **pharmacovigilance**.