

Reducing Adverse Drug Events in Healthcare

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- A Verband COVID-19 Vaccin Janssen met de combinatie van stolselvorming en verlaagd aantal bloedplaatjes
- A Risico op doseringsfouten bij gebruik van noradrenaline
- A Let op ernstige huidreacties bij kankermedicijn Tecentriq
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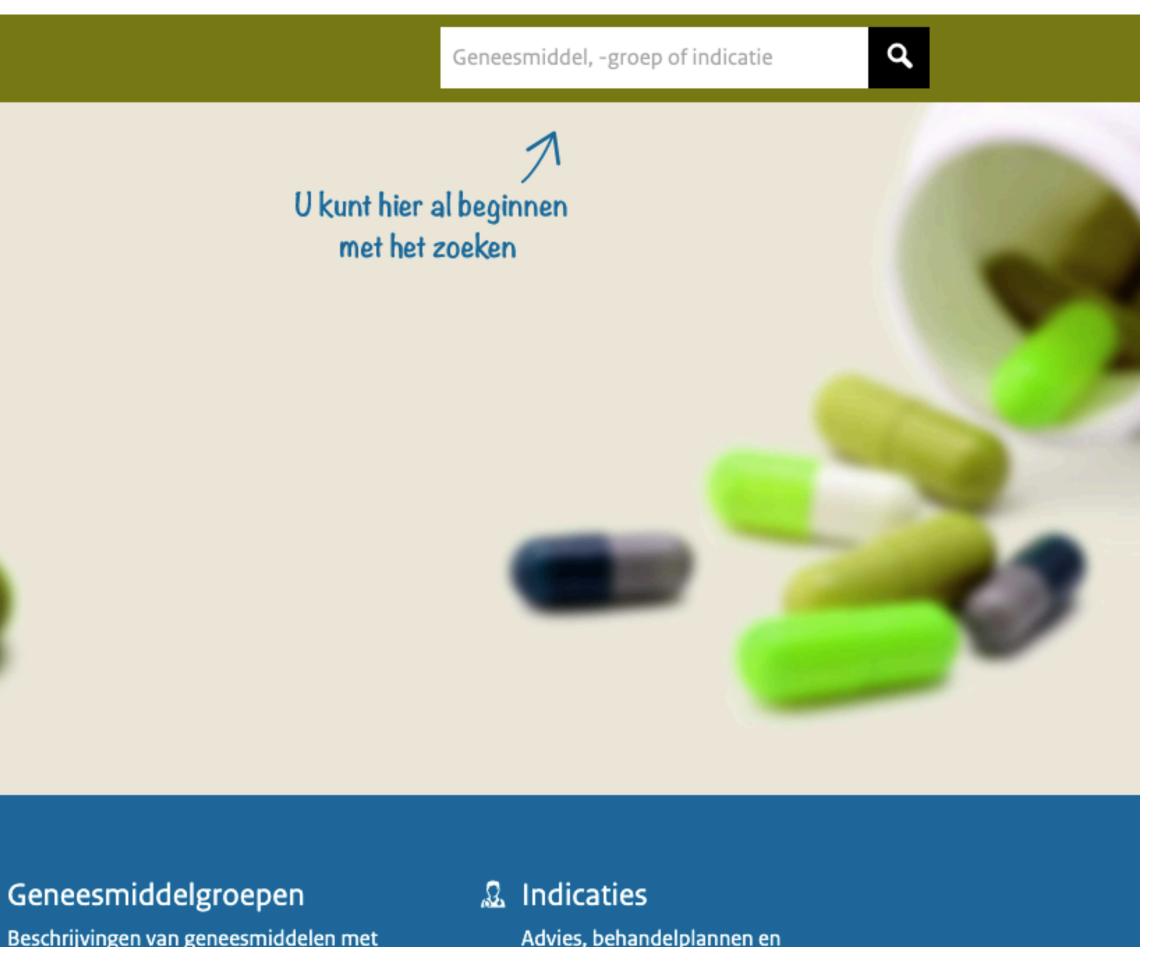
Geneesmiddelen

Beschrijvingen van geneesmiddelen per





Zorginstituut Nederland



70% of preventable adverse drug events are due to inappropriate prescribing

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ORIGINAL ARTICLE

A pharmacotherapy self-assessment improves prescribing by prompting junior doctors to study further

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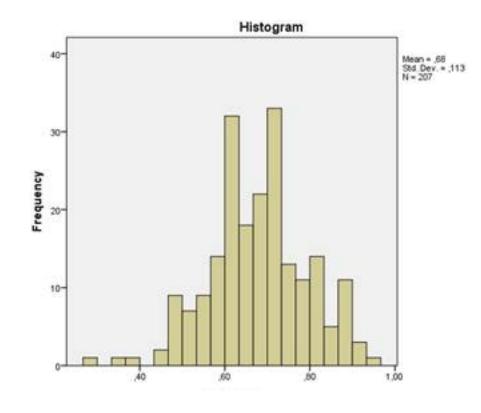
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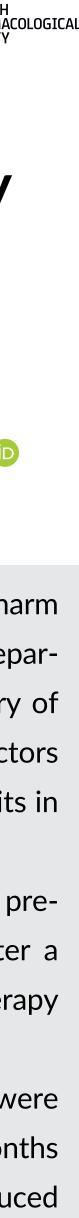


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Aims: Junior doctors frequently prescribe incorrectly and this can cause serious harm to patients. Pharmacotherapy education in most medical schools falls short in preparing their students to prescribe safely in clinical practice. According to the theory of assessment-driven learning, a pharmacotherapy self-assessment for junior doctors may reduce potential harmful prescriptions in clinical practice, by revealing deficits in prescribing knowledge and skills.

Methods: In this single centre, prospective cohort study, the potential harmful prescriptions of junior doctors in clinical practice were compared before and after a pharmacotherapy self-assessment with and without additional pharmacotherapy education.

Results: Potential harmful prescriptions best known to cause harm to patients were studied in all the prescriptions written out by 199 junior doctors in the first 2 months of their employment in our hospital. The pharmacotherapy self-assessment reduced



KEYWORDS prescribing errors

INTRODUCTION

Inappropriate pharmacotherapy is common and is an important c of harm to patients. The incidence of preventable adverse drug ev is high worldwide, with rates ranging from 16.5 to 52.9%.¹⁻³ It is

Principal investigator: The authors confirm that the Principal Investigator for this paper is Carolina J.P.W. Keijsers and that she had direct clinical responsibility for patients.

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estimated that 70% of preventable adverse drug events are due to inappropriate prescribing.^{4,5} Junior doctors working in secondary care, who write out most prescriptions in hospital, prescribe incorrectly in 8–10% of cases, sometimes with fatal consequences.^{6,7} One reason for these errors is that junior doctors tend to base their drug choices on examples learned from their medical teachers instead of on their own autonomous therapeutic reasoning.⁸ Moreover, junior doctors themselves do not feel well prepared to prescribe after graduation,

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Needs for funding & partners

Goal

Implementation 'in the field' of the self assessment test as clinically tested by Dr. Karen Keijsers (Jeroen Bosch Hospital).

Aim is to start a **foundation** for this programme. Supported by the Educational board of the Dutch Society for Clinical Pharmacology and Biopharmacy (NVKFB):



- Prof. Kees Kramers (RadboudUMC)
- Prof. Michiel van Agtmael (Amsterdam VUMC)
- Dr. Jelle Tichelaar (Amsterdam VUMC)
- Dr. Karen Keijsers (Jeroen Bosch Hospital)

Question

- Can you help us find the funding for our programme?
- Can you contact us with relevant partners?

Let's connect

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