

# Towards rational prescribing of antibiotics for acute rhinosinusitis: evaluation of the impact and costs of implementation strategies based on a multidisciplinary evidence-based guideline

<b>Submission date</b> 18/03/2005	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
<b>Registration date</b> 25/07/2005	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input checked="" type="checkbox"/> Results
<b>Last Edited</b> 15/04/2008	<b>Condition category</b> Respiratory	<input type="checkbox"/> Individual participant data

## Plain English summary of protocol

Not provided at time of registration

## Contact information

### Type(s)

Scientific

### Contact name

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## Additional identifiers

### Protocol serial number

F6/12 - AV - F 681

## Study information

### Scientific Title

**Study objectives**

In Belgium consumption of antibiotics is among the highest in Europe. As a result antimicrobial resistance rates are alarming. Recently a number of evidence-based guidelines on rational use of antibiotics have been produced and disseminated by the scientific organisations in collaboration with the Belgian Co-ordinating Committee for Antibiotic Policy. International research has shown that merely distributing guidelines to professionals in the field does not lead to behaviour change. In Belgium several strategies for implementation of good clinical practice, i.e. local peer review groups and academic detailing, have been initiated. However, the (local) effectiveness and cost-effectiveness of these strategies has not been evaluated. This project will investigate the impact of each of the strategies separately and the combination of both strategies in general practice, following the publication of a guideline on the management of acute rhinosinusitis. This guideline aims at rationalizing (i.e. reducing) the prescription rate for this condition in primary care.

**Ethics approval required**

Old ethics approval format

**Ethics approval(s)**

Not provided at time of registration

**Study design**

Randomised controlled trial

**Primary study design**

Interventional

**Study type(s)**

Not Specified

**Health condition(s) or problem(s) studied**

Implementation of a practice guideline for acute rhinosinusitis in general practice

**Interventions**

Cluster randomised factorial trial with 4 study arms.

Interventions: academic detailing visits to individual GPs and/or group sessions of GPs on the key messages of the guideline.

Control: no specific intervention

**Intervention Type**

Other

**Phase**

Not Specified

**Primary outcome(s)**

Antibiotic prescription rate, cost-effectiveness.

**Key secondary outcome(s))**

Choice of antibiotic, use of personalized non-drug prescriptions, clinical course of rhinosinusitis as reported in patient diaries.

**Completion date**

30/06/2005

## Eligibility

**Key inclusion criteria**

Local peer review groups of general practitioners in Flanders, Belgium (approximately 10-20 GPs per group) are invited to participate.

**Participant type(s)**

Patient

**Healthy volunteers allowed**

No

**Age group**

Adult

**Sex**

All

**Key exclusion criteria**

Groups that have participated in the field testing of the guideline, groups that have been visited by academic detailers more than once in the past, groups located at >1 hour drive from the study centres.

**Date of first enrolment**

01/07/2004

**Date of final enrolment**

30/06/2005

## Locations

**Countries of recruitment**

Belgium

**Study participating centre**

De Pintelaan 185 1K3

Ghent

Belgium

B-9000

## Sponsor information

## Organisation

Fund for Scientific Research, Flanders (Belgium)

## ROR

<https://ror.org/03qtxy027>

## Funder(s)

### Funder type

Government

### Funder Name

Federal Belgian Ministry of Health and Fund for Scientific Research Flanders, Dossier nr. G. 0617.05

## Results and Publications

### Individual participant data (IPD) sharing plan

### IPD sharing plan summary

Not provided at time of registration

### Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
<a href="#">Results article</a>	Results:	01/06/2007		Yes	No