

proton pump inhibitors and low magnesium in older patients.

No registrations found.

Ethical review	Not applicable
Status	Other
Health condition type	-
Study type	Observational non invasive

Summary

ID

NL-OMON20149

Source

NTR

Health condition

hypomagnesaemia and PPI use

Sponsors and support

Primary sponsor: Jeroen Bosch ziekenhuis, 's Hertogenbosch, the Netherlands

Source(s) of monetary or material Support: Jeroen Bosch ziekenhuis, 's Hertogenbosch, the Netherlands

Intervention

Outcome measures

Primary outcome

The prevalence of hypomagnesaemia in hospitalised patients using a PPI in a geriatric ward

Secondary outcome

The secondary outcome will be risk factors which will be presented as odd ratios with corresponding 95% confidence interval

Study description

Background summary

PPIs are prescribed very frequently and might cause potentially severe hypomagnesaemia. We will carry out a study focussing on the prevalence of hypomagnesaemia in geriatric inpatients using PPI and evaluated risk factors contributing to this effect. Mortality and length of hospital admission were also explored.

METHODS: This observational, retrospective cohort study was designed to examine the association between PPI and hypomagnesaemia in geriatric inpatients, identify independent predictors for proton-pump-inhibitor-induced hypomagnesaemia (PPIIH) and explore its effects on mortality and length of hospital admission.

Study objective

PPIs are prescribed very frequently and might cause potentially severe hypomagnesaemia. We carried out a study focussing on the prevalence of hypomagnesaemia in geriatric inpatients using PPI and evaluated risk factors contributing to this effect. Mortality and length of hospital admission were also explored

Study design

not applicable

Intervention

not applicable

Contacts

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Eligibility criteria

Inclusion criteria

- Admission in the geriatric ward in Jeroen Bosch Hospital between August 1st, 2014 and April 30th, 2017. This start date was chosen because since then magnesium was included in the regular laboratory examination.
- Magnesium serum levels determined in venous blood must be known.
- Medication prescribed before and during admission must be known.

Exclusion criteria

- Age below 65 years.
- Patients with re-admissions, since all patients are included once in this research.

Study design

Design

Study type:	Observational non invasive
Intervention model:	Other
Masking:	Open (masking not used)
Control:	N/A , unknown

Recruitment

NL	
Recruitment status:	Other
Start date (anticipated):	15-05-2016
Enrollment:	1500
Type:	Unknown

Ethics review

Not applicable

Application type:

Not applicable

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

No registrations found.

In other registers

Register	ID
NTR-new	NL6257
NTR-old	NTR6431
Other	JBZ study number : 2017.05.02.01

Study results