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Titel onderzoek
Development and validation of a prediction model for 30-day mortality in older patients with a hip fracture

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Beschrijving onderzoek
Hip fractures in the elderly often lead to reduction of the quality of life or death and are major public health concern. Some studies have been done to investigate the relationship between hip fracture patient characteristics and mortality, and attempts have been made to make prediction models for both short- and long-term mortality. These models do not have a good predictive value and rely on risk stratification rather than exact risk prediction.

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There is need for a validated multivariable prediction model with good predictive value for the chance of short-term mortality in the elderly patient with a hip fracture on presentation.

Onderzoeksvraag:
Objectives:

1) To identify risk factors associated with 30-day mortality in hip fracture patients 80 years or older undergoing surgery
2) To incorporate the risk factors identified in objective 1 into a multivariable prediction model for 30-day mortality.
3) To validate and calibrate this model in a Dutch cohort of hip fracture patients undergoing surgery aged 80 years or older.

Hypothesis:
A multivariable prediction model for 30-day mortality can be built using routinely collected predictor variables

Primary outcome:
30-day mortality

Werktitel beoogde publicatie
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