

# *Responsible Programming by ZonMw*

*The need for a broad scientific methodological repertoire*

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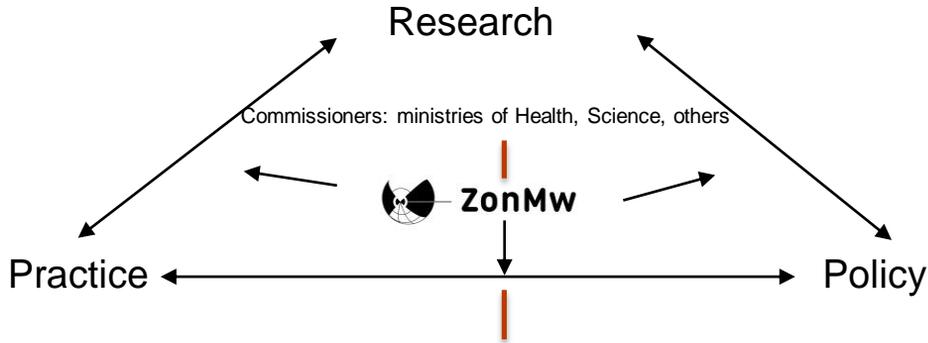
## What is ZonMw?

The Netherlands Organisation for Health Research and Development

## Mission

- ZonMw stimulates health research and health care innovation
  - ZonMw funds health research and stimulates the application of the new knowledge – to improve health and (health) care
- *144 programs/2500 projects, annual budget +/- 200 M€, 200 FTE*

## Position: linking research, policy and practice with regard to the use of valuable evidence for health



- *Since 1998: programming process legally based on promoting implementation of knowledge into action > knowledge partner in quality cycles, without taking over responsibility*

## Project

# A multicenter randomized clinical trial investigating the cost-effectiveness of treatment strategies with or without antibiotics for uncomplicated acute diverticulitis (DIABOLO trial).

Deel deze pagina    

## Projectomschrijving

### Samenvatting afronding project

De prevalentie van divertikelziekte – uitstulpingen in (dikke) darm – neemt toe in Westerse landen. Momenteel zijn antibiotica vaak onderdeel van de conservatieve behandeling, terwijl harde bewijzen

### Inhoud van het project

- > [Projectomschrijving](#)
- > [Resultaten](#)
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Project

# Efficacy of haloperidol to decrease the burden of delirium in adult critically ill patients: a prospective randomised multi-center double-blind placebo-controlled clinical trial

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## Projectomschrijving

Delirium, of plots optredende verwardheid, is een veel voorkomend probleem bij ernstig zieke patiënten die behandeld worden op een Intensive Care (IC) afdeling. Delirium bij deze patiënten veroorzaakt veel stress bij patiënten en familieleden en hangt onder andere samen met blijvende geheugenklachten na de IC-opname (qua ernst vergelijkbaar met milde vormen van dementie).

Delirium wordt in de praktijk behandeld met haloperidol, ook al bestaan geen goede studies die de gunstige effecten van dit medicijn hebben aangetoond. Haloperidol kan immers ook bijwerkingen (zoals hartritme stoornissen) veroorzaken bij de kwetsbare IC-patiënten. Derhalve zal onderzoek worden gedaan naar het effect van haloperidol op de deliriumduur en patiënt- en familie...

## Inhoud van het project

[> Projectomschrijving](#)[> Verslagen](#)

### Projectgegevens

Projectnummer

**848041001**

Status

Legend

## Project

# Atosiban versus placebo in the treatment of late threatened preterm labor (APOSTEL VIII study)

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## Projectomschrijving

Jaarlijks bevallen 12.000 vrouwen in Nederland voor de 37 weken zwangerschap. Deze vroeggeboortes kunnen voor complicaties zorgen bij het kind en het is nummer 1 doodsoorzaak van pasgeborenen. Het doel is om dit aantal terug te dringen. Hiervoor moet bekend zijn wat de beste behandeling is.

De APOSTEL VIII studie onderzoekt of weeënremming een goede behandeling is. Hierbij worden vrouwen met symptomen van een vroeggeboorte gerandomiseerd tussen twee behandelingen. De interventiegroep krijgt weeënremming en corticosteroiden, de controlegroep krijgt een placebo en corticosteroiden. De WHO heeft in 2015 een advies uitgebracht over interventies bij vroeggeboorte. Hierin werd onderstreept dat het huidige wetenschappelijke bewijs om wel of niet weeënremming toe te passen van lage kwaliteit is. Ondanks de matige bewijsvoering wordt weeënremming in Nederland wel toegepast. De APOSTEL VIII hoopt een stevig fundament te leggen voor het wel of niet geven van weeënremmers bij vroeggeboorte.

## Inhoud van het project

### > Projectomschrijving

### Projectgegevens

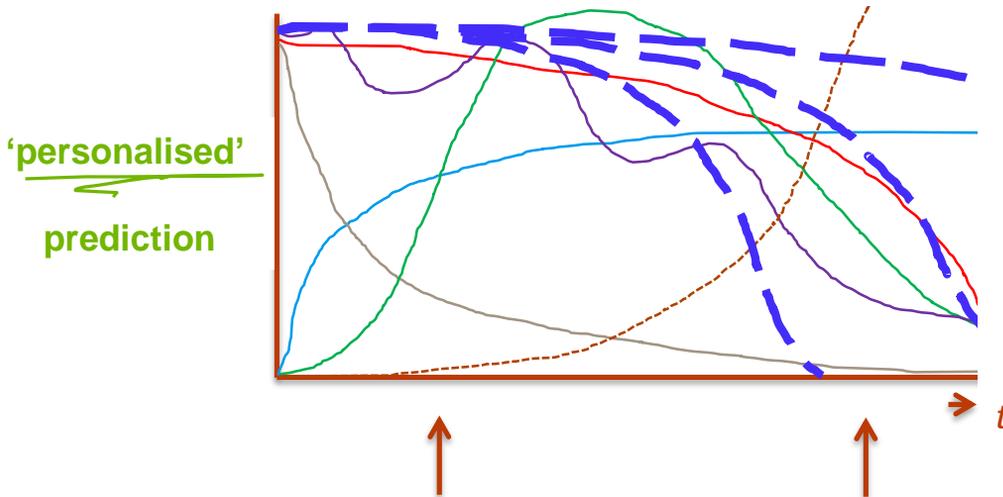
*Projectnummer***848041004***Status***Lopend***Looptijd*

2017

2021

### Onderdeel van programma

## My own research expertise: MS and cognitive decline



→ **Complicated reality, with many 'fases' and 'types' of research**

## Medische Inspirator prijs



An encouragement prize for the most inspiring collaboration between patient (organization) and researcher to stimulate demand-driven research

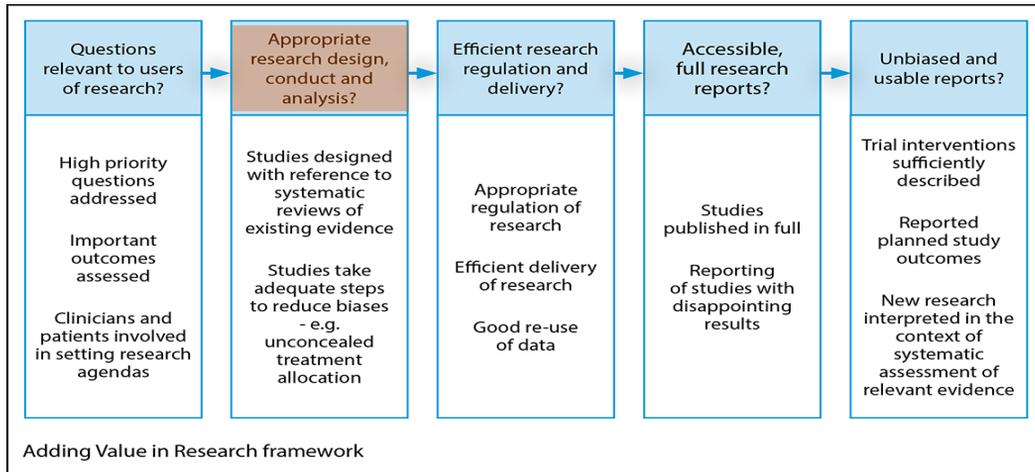
- Achieve sustainable and balanced collaboration between patients and researchers.
- High degree of co-creation in research project.
- Harvesting (the development of) medical products that patients really need.
- Public vote campaign: to involve general public; to engage target group; and to create awareness of feasibility and importance of collaboration and patient needs.

# Ensuring Value in Research

*Improving impact and societal value of health research from a funders perspective*



# Adding Value in Research Framework (Lancet 2015)



## E(nsure)V(alue)i(n)R(eseach) guiding principles

“As funders we will maximise the value of research we fund when:

- we set justifiable research priorities;
- we require **robust research design**, conduct and analysis;
- we seek to ensure that research regulation and management are proportionate to risks;
- we seek to ensure that complete information on research methods and findings from studies is accessible and usable.”

## Framework ZonMw: criteria and indicators for design and evaluation of Responsible Research Practices

Societal relevance	Scientific quality	Integrity	Efficiency
Stakeholder-participation	Mixed methods designs	Transparency/Open Science	Use of existing data/eResearch/citizen science
Co-financing/public-private partnerships	Practice-based research	Promoting replication (research)	Systematic reviews/knowledge syntheses
Diversity in committee composition	Innovative research	Preventing publication bias	Alternatives for RCT's
Concept of positive health	Interdisciplinary and international cooperation and knowledge sharing	Education and quality assurance	Inclusion and implementation strategies
Participatory infrastructures	Diversity of assessment process	Other positions/conflict of interests	Smart arrangement of programming process
Added value/use of knowledge in policy and practice	Variety of (transfer of) output		

## Support for multimethod approach: appropriate designs

Different methods for different questions:

- Safety, efficacy, effectiveness:
  - RCT's, pragmatic trials
- Use of (intervention) in practice, side effects, subgroup analysis
- Treatment decisions: shared decision making:
  - Cohort and case studies, N=1 studies and big data, implementation research
- The importance of context → Different methods complement each other

## Support for Open Science

For the sake of responsive, transparent, and ‘accountable’ science

- As a tool for the critical appraisal of science and its infrastructure
- Including the involvement of the voice of the community, and the demand for (more) variation in agenda setting, appraisal, execution, evaluation and feedback of research

→ Role for citizens / citizen science? (needs further exploration!)

# ZonMw Policy on improving participation

## Focus on:

1. Motivated researchers
2. Experienced patient experts
3. Participation in more publications
4. Other methods of financing research and projects

In ZonMw procedures

Committee,  
board

Research  
agenda

Patient panels  
judging  
proposals

Participation in projects

Monitoring &  
publish  
examples

Info & Training  
(researcher and  
patient)

# Big Data and Health

## early detection and prevention of cardiovascular diseases

Example of a 'new' design  
using big data for detection of

Public-private research program (deadline call: 1<sup>st</sup> October)

Interdisciplinary consortia:

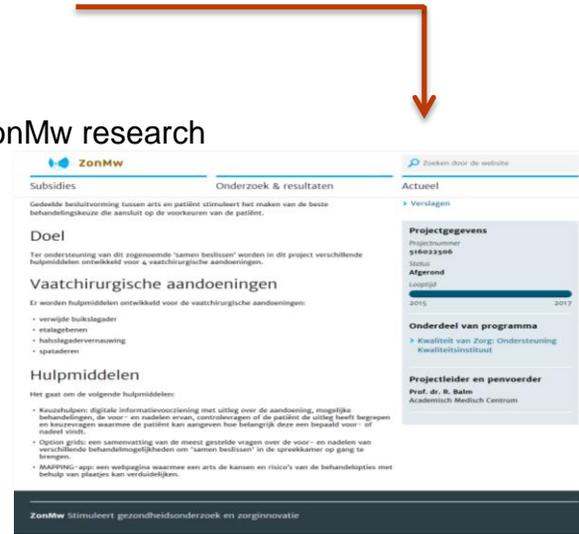
- Minimum of 3 research groups  
(Data-Science/Life sciences & Health/Creative Industries research/Social Sciences)
- At least one enterprise
- eScience Research Engineer
- + Consultation of citizens, patients and (care) professionals (end-users)

Meeting 8 October: End-user input

- input on project idea by end users => improve full project proposal (deadline January 8, 2019)

# ZonMw activities

- ZonMw policy on: Positive Health, Patiëntparticipation including 'Shared decision making'
- Participation in 'Choosing wisely'
- Achieving and demonstrating (societal) impact in ZonMw research
- Research on Research:
  - Programs: Replication Studies; Responsible Research Practice
  - Analysis of research designs in ZonMw-projects
  - Assessment of Ensuring Value in ZonMw program
- Network Useful Research Yearly Meetings



## Dilemma's and challenges in programming

- 'Practice what you preach' in granting research (no RCT?)
- Balance between relevance, quality, integrity and efficiency
- From adding more criteria towards 'doing research well'
- *Tried and true* versus innovative
- From a controlling authority towards a stimulating force

*"We may want a bit too much, too fast"*



## Conclusions:

### **ZonMw**

- Acknowledges and supports the value of RCT's and EBP
- Recognises the need for context-based research and alternative designs
- Emphasises stakeholders participation and implementation

### **Citizen science** needs more development in ZonMw:

- Position paper: this meeting helps!
- Creating awareness -> on agenda network meeting 2019
- First: setting good examples
- Then: incorporating in ZonMw