PRoVENT-PED study

PRactice of VENTilation in Critically Ill PEDiatric Patients

Steering committee
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Objectives

- to describe practice of ventilatory support worldwide
- to identify potentially modifiable factors associated with outcome

Hypotheses

- practice of ventilatory support varies substantially
- potentially modifiable factors are associated with outcome

Endpoints

- key ventilator settings and ventilation parameters (primary)
- incidence of PARDS
- duration of ventilatory support
- LOS in ICU
- mortality rates

Methods

- data collection during 2 periods of 4 weeks each year
- an (optional) extra period in case of an epidemic or pandemic

Patients

Eligible:

- aged 0-18 years
- admitted to a participating PICU
- receiving ventilatory support > 12 hours

Exclusion:

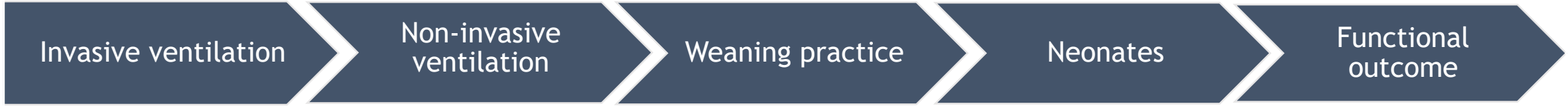
- premature patients

Data collection

- patient characteristics
- ventilator settings and parameters (at day 0-3)
- adjunctive respiratory therapies
- outcomes at ICU discharge (max 28 days)

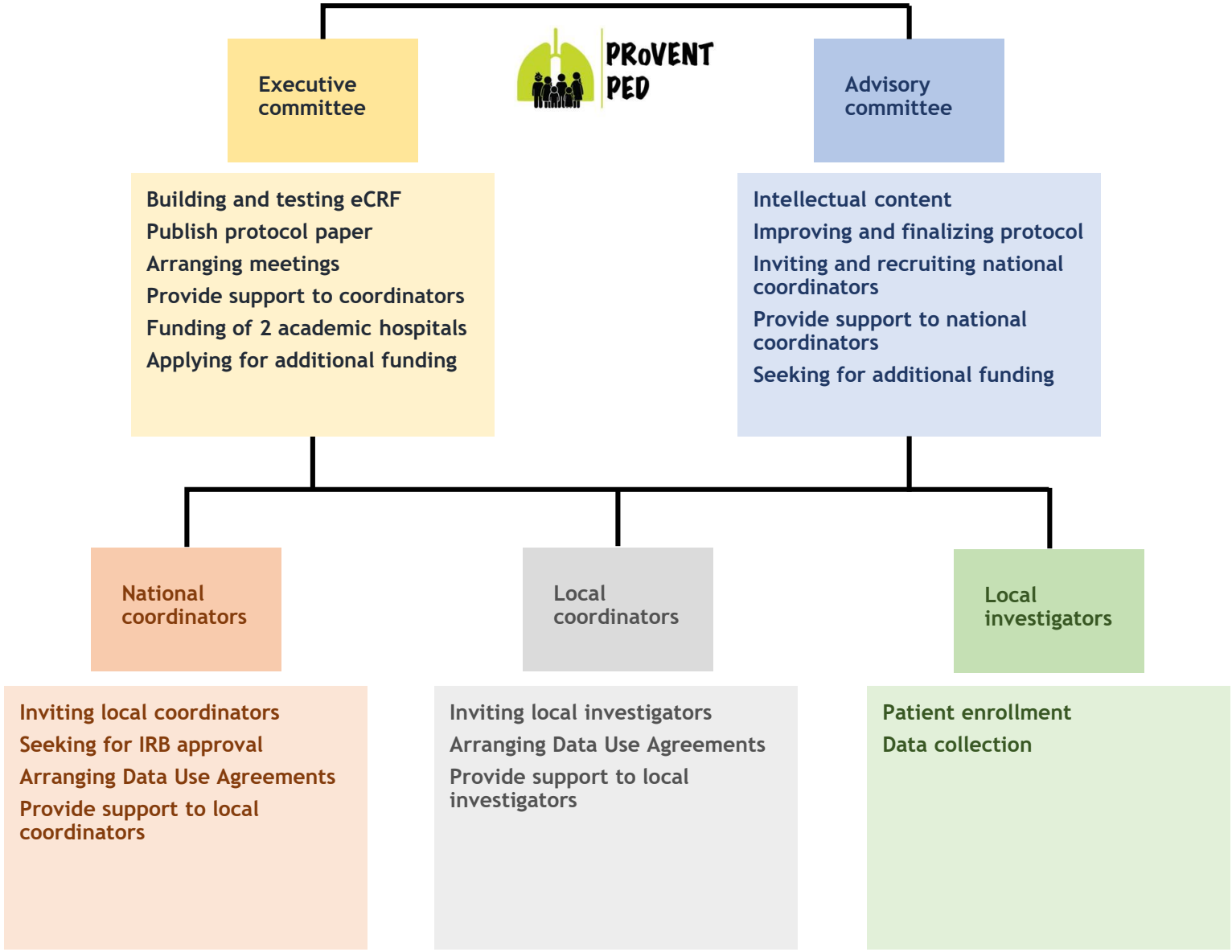
‘Adaptive’ study

- 10 years
- different focuses:

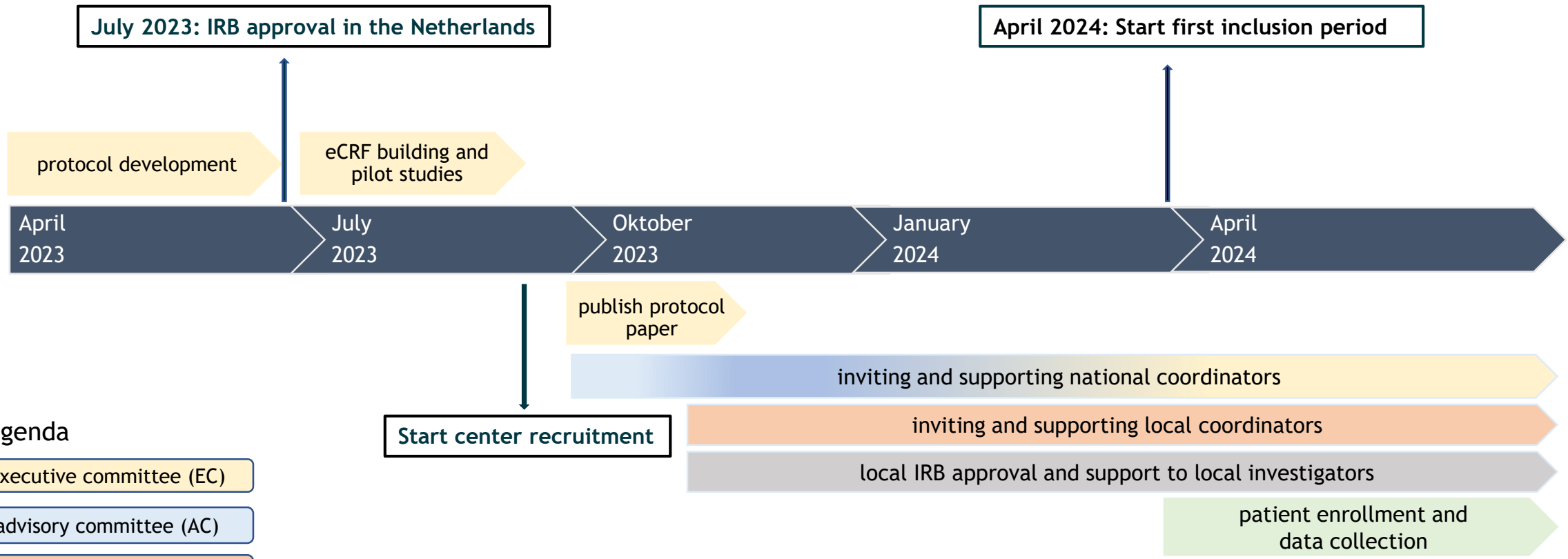


- centers have the option to opt out during certain time periods to make the study manageable for every participating country/center

Team


PROVENT PED
Executive committee
Advisory committee
Building and testing eCRF
Publish protocol paper
Arranging meetings
Provide support to coordinators
Funding of 2 academic hospitals
Applying for additional funding
Intellectual content
Improving and finalizing protocol
Inviting and recruiting national coordinators
Provide support to national coordinators
Seeking for additional funding
National coordinators
Local coordinators
Local investigators
Inviting local coordinators
Seeking for IRB approval
Arranging Data Use Agreements
Provide support to local coordinators
Inviting local investigators
Arranging Data Use Agreements
Provide support to local investigators
Patient enrollment
Data collection

Timeline


July 2023: IRB approval in the Netherlands
April 2024: Start first inclusion period
protocol development
eCRF building and pilot studies
April 2023
July 2023
Oktober 2023
January 2024
April 2024
publish protocol paper
inviting and supporting national coordinators
Start center recruitment
inviting and supporting local coordinators
local IRB approval and support to local investigators
patient enrollment and data collection
Legenda
executive committee (EC)
advisory committee (AC)
national coordinators
local coordinators
local investigators

Website

Please find the latest updates on the progress of the study and all documents on the PRoVENT-PED website.

PRoVENT-PED | ICU Research

Share ALL rewards

- all collaborators will participate with publication, also on every substudy
- participating centers are welcome to do additional studies on the data set
- the steering committee will coordinate these additional research questions and analysis

Please contact us for more information

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