

# Oncological Home-Hospitalisation in Belgium - Concept for optimizing ambulant cancer care



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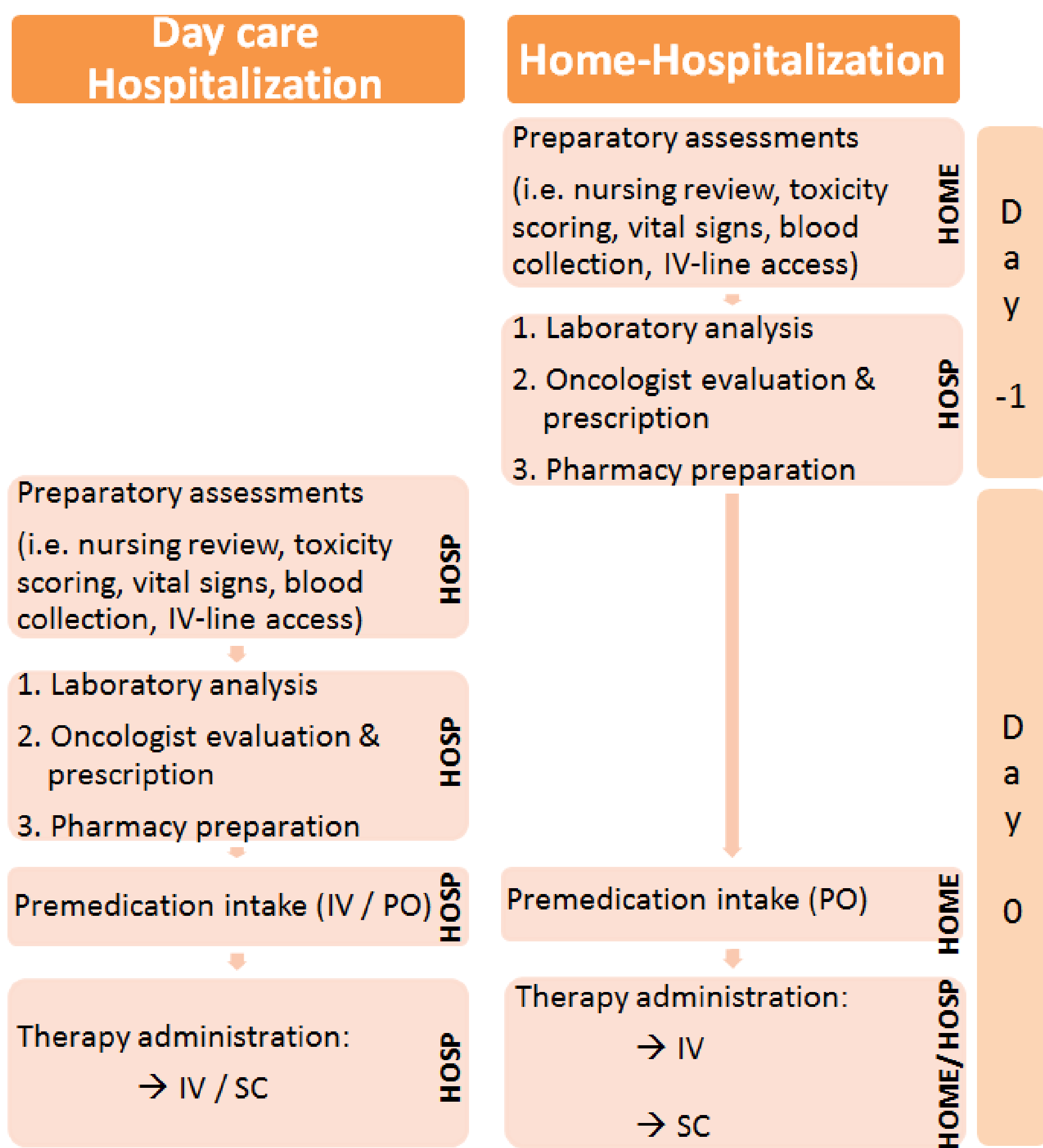
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## Background:

**Home-based cancer treatment** offers an **integrated and patient-centered** approach to deal with the **challenges oncological day (care) units** are facing. Current cancer therapies require frequent hospital visits that are known to be stressful for the patient and generate a high workload for hospital staff. Furthermore, these hospital visits are associated with significant costs for patients and society, this against the background of increasing focus on more cost-effective healthcare.

## Methods:

By relocating specific parts of the oncological treatment process in time and/or to the patients' homes, we aim to render ambulatory cancer care more efficient and patient-centered.



## Subjects & Design:

A research project is initiated to assess both, the **clinical and economic impact** of Home-Hospitalization, provided to adult fit-profiled (ECOG ≤ 2) ambulant treated cancer patients.

### 1. Pilot Study

Aim	<ul style="list-style-type: none"> <li>Evaluating the <b>sensitivity</b> of a number of validated <b>clinical and psychological outcome measuring tools</b> in an ambulant cancer treatment setting (home and hospital)</li> <li>Collection of an extensive <b>costs-inventory</b> representing total costs for ambulant cancer treatment.</li> </ul>
Design	Single-center, Non-randomized, Prospective, Open Clinical Trial N = 50

### 2. Randomized Study

Aim	Evaluating Oncological Home-Hospitalization compared to standard outpatient hospital treatment in terms of <b>Patient's quality of life, Safety and Cost-efficiency</b>
Design	Single-center, Randomized, Prospective, Open Clinical Trial N = min 100*

\* Sample size will be calculated based on the outcome-tool that showed largest sensitivity during the pilot study.

### 3. Transferring expertise to primary healthcare

In case Oncological Home-Hospitalization is positively evaluated, the possibilities to involve primary healthcare within this care model will be explored as well as the required modifications to the current financial model to allow this involvement.

## Discussion:

This initiative may provide key stakeholders crucial information on the potential benefits and costs of oncological Home-Hospitalization.

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