Oncological Home-Hospitalization: Prospective randomized controlled trial to evaluate its implications for patient and society

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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 systemic cancer treatments 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 towards more cost-effective healthcare.

By relocating specific parts of the oncological treatment process to the patients' homes, oncological homehospitalization aims to render ambulatory cancer care more efficient, patient-centered and cost-effective.

To inform policy makers on the possibilities of implementing oncological home-hospitalization, clinical trials are needed to evaluate its implications for patients and society, as empirical evidence is currently scarce^{1,2}.

Non-Randomized Feasibility Study

A pilot study was conducted prior to this randomized trial.

Preliminary analysis suggests there is no clear preference for a particular validated quality of life questionnaire^{*} within this setting of interest. Furthermore, all costs related to systemic oncological treatment (i.e., patient; hospital and third party costs) were explored in order to create a reliable model for cost analysis during the randomized trial.

The model for oncological home-hospitalization was continuously evaluated and optimized where needed. ^{*}Questionnaires included in the analysis: FACT-G, EQ-5D-3L, MYCaW, HADS, DB

- 1. Patient-reported Quality of Life
- 2. Quality of Life related endpoints
- 3. Cost
- Safety 4.
- 6. Efficiency for Cancer day care center

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