Author’s response to reviews

Title: PREDOMOS study, Impact of a social intervention program for socially isolated elderly cancer patients: Update to the study protocol for a randomized controlled Trial

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Reviewer #1:

1. Pg 2, line 52-53: "In addition, PREDOMOS aims to identify individual geriatric characteristics that would be predictive of clinical outcomes." I have failed to find any further description of this outcome in your text. Please elaborate.

   Thank you for your constructive review, to address this concern we added a short description of geriatric analyses that will be analyzed:

   “In addition, PREDOMOS aims to identify individual geriatric characteristics (as functional, nutritional cognitive and mobility status) that would be predictive of clinical outcomes.”

2. Pg 3, line 37-38: "We also decided to delete the exclusion criterion "patient with psychiatric troubles" because in the absence of cognitive impairment these patients are potential candidates like the others." On Clinicaltrials.gov you still have "Patients with severe psychiatric disorders or advanced dementia pathology." Please clarify this discrepancy.

3. Pg 3, Line 47: "MMSE > 24", this criteria is not included in your Clinicaltrials.gov submission.

   Thank you for noticing these 2 discrepancies, the necessary changes have been done.

4. Pg 3, Line 47: "7/ Lifespan > 6 Months" How do you estimate patients lifespan at inclusion?

   Lifespan at inclusion is estimated by experienced oncologists and oncogeriatricians according to comorbidities and/or to tumor characteristics: localization, type and spreading (based on literature’s survival analyses general statistics). All the more, it is a common span of systemic treatment.
Thank you for including a Cost-utility analysis in your study as it is highly relevant for the success of future implementation of your findings.

5. Pg4, Line 22, Will you be using the QLQ-C30 at T0/T3 or T0/T6 in your CUA?

We decided to use both time points and added the precision in the article:

“As the scores in QLQ-C30 are not utility-based, these scores will be mapped to EuroQoL 5D (EQ-5D) [8,9]. The QLQ-C30 at T3 will be used to cover the first 3 months (T0 to T3) and QLQ-C30 at T6 to cover the period between T3 and T6. The time horizon will cover the period during which patients will be exposed to the intervention (i.e. 6 months).”

6. Pg4, Line 30: "- Techniques of domotic and remote assistance;" I am not sure what this is referring to. Is this the cost initial purchase of equipment or cost technical support?

Thank you for this constructive remark, this entices both the cost of equipment installation, renting and uninstallation including technical support. We added the precision in the manuscript:

“- Techniques of domotic and remote assistance (including the cost of equipment installation, renting, technical support and uninstallation);”

Reviewer #2:

Thank you for your invitation to review the manuscript titled "PREDOMOS study, Impact of a social intervention program for socially isolated elderly cancer patients: Update to the study protocol for a randomized controlled Trial". This study provides an update of a previously published protocol of a study exploring the impact of a Program of Social Intervention on quality of life in elderly isolated patients. The previous reviewer has already highlighted some important changes which have been addressed by the authors. I do not have any substantial changes to suggest except that there are some minor grammatical errors throughout the manuscript (i.e., abstract line 5, "Predomos study investigate").

Thank you very much for your correction, it have been addressed.