

INPLASY202590087
doi: 10.37766/inplasy2025.9.0087
Received: 22 September 2025
Published: 23 September 2025

Järnholm, S; Brännström, M; Carlsson, Y; Wartenberg, C.

Corresponding author:
Stina Järnholm

stina.jarbholm@vgregion.se

Author Affiliation:
University of Gothenburg.

ADMINISTRATIVE INFORMATION

Support - None.
Review Stage at time of this submission - Preliminary searches.
Conflicts of interest - None declared.
INPLASY registration number: INPLASY202590087

Amendments - This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 23 September 2025 and was last updated on 23 September 2025.

INTRODUCTION

Review question / Objective How is quality-of-life (anxiety, depression, QoL, self-image, marital satisfaction, body image, sexual life, treatment experience) for donor and recipient after uterus transplantation surgeries.

Rationale There is lack of general knowledge of psychological health/QoL in this novel area of transplantation surgery&fertility treatment.

Condition being studied Patients: Recipients with absolute uterine factor infertility, such as MRKH-syndrome, uterine malformations or after hysterectomy as treatment for cancer. Donors-related or unrelated to recipient, donating her uterus.
Health conditions: psychological outcomes after uterus transplantation surgeries (live donation of uterus or transplantation into recipient).

METHODS

Search strategy #1 MeSH descriptor: [Uterus] explode all trees and with qualifier(s): [transplantation - TR]
#2 ((Uterus or Uterine) NEAR/2 transplant*):ti,ab,kw
#3 #1 OR #2
#4 MeSH descriptor: [Quality of Life] explode all trees
#5 MeSH descriptor: [Anxiety] explode all trees
#6 MeSH descriptor: [Depression] explode all trees
#7 MeSH descriptor: [Self Concept] explode all trees
#8 MeSH descriptor: [Body Image] explode all trees
#9 MeSH descriptor: [Sexuality] explode all trees
#10 MeSH descriptor: [Sexual Health] explode all trees
#11 MeSH descriptor: [Sexology] explode all trees
#12 ("Quality of Life" or QoL or HRQoL or Anxiety or Depress* or "Self Concept" or "Self-perception" or "Self-image" or "Body Image" or Sexual* or Sexolog* or Satisfaction or Psychosocial or Psychological or Perception* or "Health care" or (Treatment NEAR/1 experience*)):ti,ab,kw

#13 #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10
OR #11 OR #12
#14 #3 AND #13
#15 Limit search to publication year 2010-2024.

Participant or population Patients that have undergone uterus transplnatation surgery, either as live donor or recipient.

Intervention Uterus transplantation and/or donation of uterus for transplantation.

Comparator NA.

Study designs to be included Studies with qualitative and/or quantitative data.

Eligibility criteria NA.

Information sources Medline, Embase, Cochrane, Cinahl, PsycInfo, WebofScience, Clinical Gov.

Main outcome(s) Qualitative and quantitative (validated scales) data regarding psychological outcome after uterus transplantation surgery (either live donation or transplantation).

Data management Both quantitative data and qualitative data will be extracted by one project member and verified by at least one other project member.

Quality assessment / Risk of bias analysis Risk of bias will be assessed independently by at least two project members using checklists adequate for the respective study design (e.g. JBI Critical appraisal checklist for case series, CASP for qualitative studies).

Strategy of data synthesis Analysis will be conducted separately for the two populations considered – donors and recipients. A mixed methods approach will be used in which qualitative and quantitative data will be analysed separately first and then integrated to produce a configured analysis to see to what extent these data complement or contradict each other.

Subgroup analysis Not applicable.

Sensitivity analysis Not applicable.

Language restriction English.

Country(ies) involved Sweden.

Keywords uterus, donation, recipient, donor, transplantation, psychosocial outcome, quality-of life.

Dissemination plans One article published in scientific journal (English language).

Contributions of each author

Author 1 - Stina Järholm - The author outlined the research question and took part in the critical analysis. The author drafted the result section and the manuscript.

Email: stina.jarholm@vgregion.se

Author 2 - Mats Brännström - The author outlined the research question and took part in the critical analysis and read, provided feedback and approved the final manuscript.

Email: mats.brannstrom@obgyn.gu.se

Author 3 - Ylva Carlsson - The author outlined the research question and took part in the critical analysis and read, provided feedback and approved the final manuscript.

Email: ylva.carlsson.2@obgyn.gu.se

Author 4 - Constanze Wartenberg - The author outlined the research question and took part in the critical analysis. The author drafted the result section and the manuscript.

Email: constanze.wartenberg@vgregion.se