

## ANSWERING EDITOR AND REVIEWERS

**Dear Editor,**

We have answered all the concerns concerning the manuscript 47083 for World Journal of Transplantation. In particular:

The conflict of interest declaration has been enclosed

The audio core tip has been enclosed as mp3 file

All others requested files are enclosed

Figures are now in JPEG as requested

You have now the manuscript in two different colors. Black is the original, red answering reviewer's comments

**Reviewer's code:** 03291363

We have now clarified why, starting with the use for marginal kidneys, the donor kidney evaluation did progressively extent to almost all kidneys. Please find it in the new introduction (red color). A chapter on the criteria selection of the articles has been added. The chapter on future perspectives and the emerging technologies has been improved also thanks to a very recent paper (reference 111). This point has been also highlighted in the technologies.

9 references and 1 table have been added to better clarify what's new

The English language has been checked and corrected by the American Journal Experts (please see the certification)

**Reviewer's code:** 0054120

In the new conclusions we have answered your question

**Reviewer's code:** 00505314

We have replaced the wording as requested

**Reviewer's code:** 03742333

A chapter on selection criteria of the articles included in this review and their drawbacks and limitations has been added. The limitations of some studies have been discussed. The number of patients included in the main studies has been added (please look at page 17).

A chapter on machine perfusion has been added. The omics are now discussed in details.

The chapter on future perspectives and the emerging technologies has been improved also thanks to a very recent paper. This point has been also highlighted in the technologies.

9 references and 1 table have been added to better clarify what's new

**Reviewer's code:** 02726701

The figure 1 has been modified as suggested. A comment on non renal pathologist has been added. In the discussion we have now discussed: the difficulty of obtaining adequate histological analysis; when known the number of centers that have adopted the new scoring system has been added; whether the authors adopted the scoring system they created has been added (several scoring systems are retrospectively reconfirmed on wide registries). Personal conclusions have been added also in view of the new references cited

**Reviewer's code** 0050 4341

Please take present that this is a review of what do exist not an original article. Anyway in the revised version we have added concept very new (see reference 111 of March 2019).

A chapter on reperfusion machine has been added. A chapter on future perspective and emerging technologies has been completely rewritten, adding new studies (overall 9 references has been added (references from 100 to 107 and reference 111) In addition table 7 has been added with genetic consideration completely new. Some of these references report data completely new and are dated from 2016 to 2019).

The English wording has been completely controlled by the American Journal Editors (look please at the certification)

To the Editor

In the new version you have also the figures in JPEG

Thanks to the reviewers concerns the manuscript has been improved.

Best regards.

Maurizio Salvadori MD

May 16th, 2019

A handwritten signature in black ink that reads "Maurizio Salvadori". The script is cursive and fluid, with the first name and last name clearly legible.

I carefully checked the manuscript you sent me. Only minor modifications were needed.

In particular, reference 80 disappeared because it was extremely similar to reference 72. Concerning the other references you highlighted in yellow, they are all correct and I have verified. Is the usual way by which any relevant paper refers to studies ongoing, registered at [clinical.trial.gov](http://clinical.trial.gov), not yet published.

Concerning the figures, I remade figures 2, 3, 4 and further remade figure 1. Figure 5 is fine as it is somewhat different from the paper. OK for cancelling figure 6. Please note that in some cases also the titles have changed. The figures are being sent to you in JPEG and in a different file.

Please remember that I will leave ITALY on July 12<sup>th</sup> up to July 29 and in that period I couldn't check my mail,

Warmest regards,

Professor Maurizio Salvadori