Reviewer's report

**Title:** Hypothyroidism attenuates protein tyrosine nitration, oxidative stress and renal damage induced by ischemia and reperfusion: effect unrelated to antioxidant enzymes activity

**Version:** 2  **Date:** 27 September 2005

**Reviewer:** Devinder Singh

**Reviewer's report:**

**General**

The authors have submitted an improved version of the manuscript with various points explained and answering the questions raised by both the reviewers. I still have a few things to be cleared before the final acceptance of the manuscript in this journal.

1. By including the tables in the manuscript and increasing the number of references to 80 is in a way giving the research manuscript a look of a review article! The introduction should contain only the crux of the review of literature. Moreover, the discussion of the manuscript is still tiny as compared to the other sections.

2. For the reproduction of the methods, just replacing the “Kidney was homogenized…” with “Renal cortex, outer medulla and inner medulla were homogenized…” does not fit into the homogenization part. The point which needs explanation is: whether and how the cortex and medulla was separated and processed further for enzymatic analysis.

3. What were the thyroxine levels of the animals on the day of IR procedures? And how the body weight varied for the 15 days of thyroidectomy?

4. The authors can cover the GFR part by calculating the creatinine clearance?

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**Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)**

**Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)**

**Discretionary Revisions (which the author can choose to ignore)**

**What next?:** Accept after minor essential revisions

**Level of interest:** An article whose findings are important to those with closely related research interests

**Quality of written English:** Acceptable
Statistical review: No