Reviewer’s report

Title: Recent Finding and New Technologies in Nephrolitiasis: A Review of the Recent Literature

Version: 2 Date: 27 November 2012

Reviewer: Marco Grande

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Minor essential Revisions:
SWL vs URS: I would suggest a more accurate revision of stone free rates between URS and SWL for proximal and distal ureteral calculi and furthermore, between RIRS and SWL for renal calculi (some related meta-analysis mentionable?).

News from the past': I think it' not sufficiently remarked the increase in performing ureterorenoscopic procedures against ESWL in daily clinical practice. It’s advisable to underline why we still need the non invasive SWL technology stressing the so called technology independent initiatives for improvement of outcome (ESWL TIIIO):

imaging : predicting fragility
SW frequency
Medical expulsive therapy

From the counterpart, endoscopic methods must be considered a first choice treatment in case of unfavourable anatomy/body habitus or unfavourable stone structure/composition

Percutaneous access: Reviewing the percutaneous access, I think it’s advisable to describe Endovision technique and its contribution to improve efficacy and safety of ECIRS

Discretionary Revisions:

Percutaneous Access: In an 'endourological era' in which RIRS and ECIRS are becoming more and more performed, in my opinion , it's not essential to mention the article of Li HL and its proposal of percutaneous upper pole calyx access as the optimal approach for treatment of complicated renal calculi.

Level of interest: An article of limited interest

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a
statistician.

Declaration of competing interests:

'I declare that I have no competing interests'