Reviewer’s report

Title: Differential expression of histamine receptors in the bladder wall tissues of patients with bladder pain syndrome/interstitial cystitis – significance in the responsiveness to antihistamine treatment and disease symptoms

Version: 1 Date: 30 Aug 2019

Reviewer: Rajesh Taneja

Reviewer's report:

1. This is both an observational study as well as intervention study
2. It is interesting to know that the study found increased expression of all Histamine receptors in all patients diagnosed as IC. This make the population homogenous, which is unusual for a disease like IC.
3. It would be appropriate to correlate the cystoscopic findings with the expression of histamine receptors and the clinical outcome.
4. It is worth wondering why this has remained unpublished even though the study enrolment concluded in 2009.

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- Are the description of any error bars and probability values appropriate?
- Are all error bars defined in the corresponding figure legends?
- Has a sample size calculation been included, or a description and rationale about how sample sizes were chosen?

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