Reviewer's report

Title: Centrosome clustering and cyclin D1 gene amplification in double minutes are common events in chromosomal unstable bladder tumors

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Reviewer: Lars Dyrskjot

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Javier del Rey et al describes the association between chromosomal instability (CIN) and centrosome abnormalities, aneuploidy and gene amplifications of Cyclin D1 in 22 non muscle invasive bladder tumors. The authors found that all T1G3 tumors were CIN positive and that the majority of Ta tumors were CIN negative. Furthermore, centrosome clustering and supernumerary centrosomes were reported to be observed in about half of the CIN positive tumors, and Cyclin D1 amplification in 40% of CIN positive tumors.

Major Compulsory Revisions

The authors present some interesting findings associated with chromosomal instability in bladder tumors. However, my major overall concern is the limited number of cases studied. The authors should analyze these phenomena in a larger series of tumor samples and associate statistics and p-values with the observed correlations.

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

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