Reviewer's report

**Title:** Li-Fraumeni syndrome with simultaneous osteosarcoma and liver cancer: Increased expression of a CD44 variant isoform after chemotherapy.

**Version:** 1  **Date:** 16 August 2012

**Reviewer:** Yifeng Zhou

**Reviewer's report:**

This case demonstrates the ectopic up-regulation of CD44v8-10 in a biopsy sample obtained after cytotoxic chemotherapy, which confers high levels of oxidative stress on cancer cells. However, there are still some shortcomings.

1. The authors state the reasons for the selection of CD44, had they thought about other CSCs markers?

2. Please tell us more information about the function of this variant isoform in the introduction and justify why you chose this CD44 variant isoform (CD44v8-10).

3. The authors described "It is estimated that 70% of individuals with LFS and 8"C22% of individuals with LFL syndrome have detectable p53 mutations." They should be noted that the reference.

4. Page 5, para 2: "comprehensive" should be "Comprehensive ".

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

**Quality of written English:** Needs some language corrections before being published

**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