Reviewer's report

**Title:** Change in heart rate variability precedes the occurrence of periodic leg movements during sleep: an observational study

**Version:** 2  **Date:** 4 September 2013

**Reviewer:** Andrea Romigi

**Reviewer's report:**

Minor Discretionary revisions

The authors highly ameliorated the manuscript that may be suitable for publication. All criticisms are now solved. Only considering the VLF analysis although I agree with authors regarding the theoretically minimal duration for analysis of VLF, it is still debated the clinical significance of this component of HRV. Therefore I suggest as a discretionary revision to weaken sentences regarding the clinical interpretation of VLF. The guideline (Task force Eur Heart J) stated that “although the ULF and VLF components account for the remaining 95% of total power, their physiological correlates are still unknown.”

**Level of interest:** An article of importance in its field

**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'