

### **Ethics statement**

Written informed consent was obtained from all the subjects as per the guidelines of the Institute Ethics Committee (IEC) of All India Institute of Medical Sciences (AIIMS), New Delhi, India (Approval No. IEC/NP-145/2013 & RP-32/06.05.2013). Subsequently, a waiver for written informed consent for obtaining photomicrographs from the bone marrow aspirate slides was taken from IEC (approval No. OP-06/01.12.2017). One of the coauthors (RG) had access to the patient identifying information which was completely removed from the image data sets before sharing of data with the other co-authors for building up the PCSeg tool presented in this paper.