

# Determination of a plasma viral load threshold associated with biopsy- confirmed BK Polyomavirus nephropathy

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# What is significant BKPyV DNAemia?

- BKPyV DNAemia  $>4 \log_{10}$  correlated with biopsy-proven BKPyVAN<sup>1</sup>
- Inter-assay variability as well as limitations with WHO standard impairs extrapolation of an absolute cut-off across assays<sup>2</sup>
- Studies that define a plasma DNA load threshold for biopsy-confirmed BKPyVAN would be helpful for the field

<sup>1</sup>Hirsch, 2002; Sood, 2012; Costa, 2008; Pollara, 2011; Bicalho, 2018; Viscount, 2007; Randhawa, 2004; Cleenders, 2023

<sup>2</sup>Bateman, 2017; Hoffman, 2008

# Study proposal

- Identify patients with proven BKPyVAN diagnosis and patients with BKPyV DNAemia without proven BKPyVAN to establish an appropriate plasma load threshold that corresponds with proven BKPyVAN
- Beneficial for design and implementation of future clinical trials