

## Electron Microscopy Working Group for the Banff Classification for Allograft Pathology: an Update

C. Roufosse<sup>1</sup>

<sup>1</sup> Clinical Reader in Kidney Pathology, Division of Immunology and Inflammation, Faculty of Medicine, Imperial College London, UK.

### Abstract

The Banff Classification for Allograft Pathology is an international consensus Classification for the interpretation of diagnostic biopsies taken from transplanted solid organs. The Classification evolves through evidence gathering and discussion at Banff meetings held every 2 years since 1991. For kidney transplantation, electron microscopy plays an important role in diagnostic biopsy assessment. For this reason, a Working Group was created in 2015 (1) with the dual aims of 1) agreeing current consensus best practice for handling and reporting EM samples from kidney transplant biopsies; and 2) defining unanswered questions and carrying out research. Consensus practice recommendations were published in the Report of the Banff 2019 meeting (2). The next step is to carry out multicentre cohort analyses of transplant biopsies with standardised EM processing, in order to provide best quality evidence for future clinical practice. Challenges and barriers will be discussed. At the Banff 2022 Meeting, the role of working groups in appraising and disseminating results of investigations addressing the unanswered questions in transplant pathology was emphasised (3). The next Banff meeting will be held in September 2024, in Paris, and an update from the meeting will be provided.

### References

1. The Banff 2015 Kidney Meeting Report: Current Challenges in Rejection Classification and Prospects for Adopting Molecular Pathology. Loupy et al. *Am J Transplant* 2017 Jan;17(1):28-41.
2. The Banff 2019 Kidney Meeting Report (I): Updates on and clarification of criteria for T cell- and antibody-mediated rejection. Loupy et al. *Am J Transplant* 2019 Sep;20(9):2318-2331.
3. The Banff 2022 Kidney Meeting Work Plan: Data-driven refinement of the Banff Classification for renal allografts. Roufosse, Naesens et al. *Am J Transplant* 2024 Mar;24(3):350-361.