ANEUPLOIDY AND MOSAICISM IN HUMAN EMBRYOS

In a seminal paper, which appeared in Nature Medicine (2009), Joris Vermeesch and his colleagues demonstrated that chromosome instability is common in human cleavage-stage embryos. The authors of a paper that appeared in Genome Research (2020) have used a different approach on a sample of 74 human embryos and have reached the same conclusions: mosaic aneuploidies are widespread, with 80% embryos harboring at least one putative aneuploid cell. They were also able to infer that 55 (74%) embryos possessed mitotic aneuploidies and 23 (31%) embryos possessed meiotic aneuploidies.