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Long-term eradication of extranodal NK/T cell lymphoma, nasal type,
by induced pluripotent stem cell-derived Epstein-Barr virus-specific
rejuvenated T cells in vivo

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Disclosures: 1. The project was supported by JSPS KAKENHI Grant Number 15J40133 and 16K09842. 2. Dr. Hiromitsu Nakauchi is a co-founder of and an advisor to ReproCELL, Inc. 3. Title of Invention: Method for reconstructing immune function using pluripotent stem cells Issued Patent Number: US 9206394, JP 5229958 Title of Invention: Method for Producing Antigen-Specific T Cells Issued Patent Number: JP 6164746 Title of invention: Method for Producing Chimeric Antigen Receptor T cells using pluripotent stem cells (Patent pending)

Contributions: M.A. planned and performed the experiments and wrote the manuscript. J.A. registered ENKL patients in this study. S.Y. and Y.S. helped in animal experiments. M.I., S.H., T.H., and Y. S. helped in performing rejT differentiation experiments. T.Y. helped in LMP2 epitope sequencing. M.N. performed statistical analysis. K.O. performed PD-L1 staining, PD-1 staining, CD3 staining, and histopathological diagnosis (in vivo experiments). H.N. directed the study and wrote the manuscript. N.K. provided scientific discussions.