

DEPARTMENT OF HEMATOPATHOLOGY

Dana-Farber Cancer Institute
450 Brookline Avenue | Boston, MA 02215

BONE MARROW ASPIRATE AND BIOPSY REPORT

Patient:	James O'Brien
DOB:	1960-04-12
MRN:	JAMES_O
Accession:	26664-264608
Procedure Date:	2026-01-10
Ordering Physician:	Dr. Elizabeth Warren
Procedure:	Bone Marrow Aspirate and Biopsy

SPECIMEN

Posterior superior iliac crest, bilateral. Aspirate and trephine core biopsy obtained. Adequate specimen for evaluation.

MICROSCOPIC FINDINGS

40% plasma cell involvement. Kappa-restricted. Cytogenetics: t(4;14) detected — high-risk feature. BCMA expression confirmed by flow cytometry (95% of plasma cells BCMA+).

IMMUNOPHENOTYPING / FLOW CYTOMETRY

BCMA (B-cell maturation antigen) expression: **95% positive** of plasma cells by flow cytometry. CD138+/CD38+/CD56+/- immunophenotype consistent with neoplastic plasma cells.

IMPRESSION

**40% plasma cell involvement. Kappa-restricted. Cytogenetics: t(4;14) detected — high-risk feature.
BCMA expression confirmed by flow cytometry (95% of plasma cells BCMA+).**

Electronically signed by: Hematopathologist, MD | Dana-Farber Cancer Institute
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