



### Acute Leukemic Infiltration of the Optic Nerve with Response to Radiotherapy

A 61-year-old man with a history of acute myeloid leukemia was evaluated for progressive vision loss in the left eye. Visual acuity was 20/400 and fundus examination demonstrated a hemorrhagic infiltrative lesion of the optic nerve surrounded by peripapillary fluid and dot blot hemorrhages. OCT showed exudates and subretinal fluid surrounding the invading mass (A). Subsequent lumbar puncture revealed leukemic cells in the cerebrospinal fluid, confirming a diagnosis of central nervous system metastasis. The patient underwent whole brain radiation over the following month with shrinking of the infiltrative mass, decrease in subretinal fluid, and improvement in vision to 20/150 (B). (Magnified version of Figure A-B is available online at [www.opthalmologyretina.org](http://www.opthalmologyretina.org)).

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