Molecular Cancer Research

Table of Contents

AACR American Association for Cancer Research

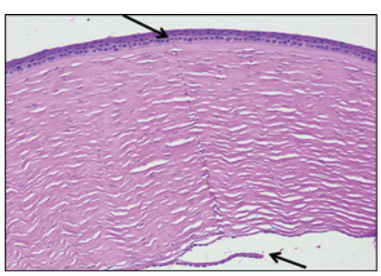
November 2018 • Volume 16 • Number 11

Downloaded from mcr.aacrjournals.org on November 19, 2018. © 2018 American Association for Cancer Research.

Table of Contents

ABOUT THE COVER

Retinoblastoma is a primary intraocular cancer that develops in young children. Unlike most solid tumors, invasive tissue biopsy of retinoblastoma is contraindicated for fear of extraocular tumor spread. In this issue, a study by Berry and colleagues (beginning on page 1701) demonstrates that tumor derived cell-free DNA is present in the aqueous humor, the clear fluid in front of the eye, which is safe to extract. The cover image shows histopathology from an enucleated eye. The top arrow indicates the paracentesis site (break at Bowman's layer) created by a 32-gauge needle which was used to enter the eye via the cornea to extract aqueous. The needle track was well healed, with a small break in Descemet's membrane (lower arrow) and without evidence of tumor. Somatic Copy Number Alterations from the cell-free DNA in the aqueous were correlated with clinical outcomes. The authors found that the risk of an eye failing treatment and requiring surgical removal was 10-fold greater if gain of chromosome 6p was found in the aqueous humor.



Downloaded from mcr.aacrjournals.org on November 19, 2018. © 2018 American Association for Cancer Research.

AACR American Association for Cancer Research

Molecular Cancer Research

16 (11)

Mol Cancer Res 2018;16:1615-1815.

Updated version	Access the most recent version of this article at: http://mcr.aacrjournals.org/content/16/11

E-mail alerts	Sign up to receive free email-alerts related to this article or journal.
Reprints and Subscriptions	To order reprints of this article or to subscribe to the journal, contact the AACR Publications Department at pubs@aacr.org.
Permissions	To request permission to re-use all or part of this article, use this link http://mcr.aacrjournals.org/content/16/11. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.

Downloaded from mcr.aacrjournals.org on November 19, 2018. © 2018 American Association for Cancer Research.