

## Ocular tumours

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<p><b>NEW</b> Stathopoulos C, Gaillard MC, Puccinelli F, Maeder P, Hadjistilianou D, Beck-Popovic M, Munier FL</p>	<p>Successful conservative treatment of massive choroidal relapse in 2 retinoblastoma patients monitored by ultrasound biomicroscopy and/or spectral domain optic coherence tomography.</p>	<p>Ophthalmic Genet. <b>2018</b> Apr; 39(2):242-246</p>	<p>Isolated massive choroidal invasion can be treated conservatively with IVC or IAC in selected cases. SD-OCT, UBM, and B-scan ultrasonography are instrumental in the detection and follow-up of choroidal lesions.</p>
<p><b>NEW</b> Gaillard MC, Houghton S, Stathopoulos C, Munier FL.</p>	<p>OCT-guided management of subclinical recurrent retinoblastoma.</p>	<p>Ophthalmic Genet. <b>2018</b> Feb 9:1-6.</p>	<p>OCT has become invaluable in the modern management of Rb. It allows early detection of a lesion before any tumor extension towards the macula or optic nerve head, and also the monitoring of the therapeutic response.</p>
<p><b>NEW</b> Winter U, Nicolas M, Sgroi M, Sampor C, Torbidoni A, Fandiño A, Chantada GL, Munier FL, Schaiquevich P</p>	<p>Assessment of retinoblastoma RNA reflux after intravitreal injection of melphalan.</p>	<p>Br J Ophthalmol. <b>2018</b> Mar;102(3):415-418.</p>	<p>A sensitive and simple method of tumour cell assessment has been developed that can be used in the clinics to assess for potential extraocular dissemination after intravitreal injections to assure its performance.</p>
<p><b>NEW</b> Munier FL, Moulin A, Gaillard MC, Bongiovanni M, Decembrini S, Houghton S, Beck- Popovic M,</p>	<p>Intracameral Chemotherapy for Globe Salvage in Retinoblastoma with Secondary Anterior Chamber Invasion.</p>	<p>Ophthalmology. 2017 Dec 2 [Epub ahead of print]</p>	<p>Free Full Text <a href="http://www.aajournal.org/article/S0161-6420(17)33341-9/fulltext">http://www.aajournal.org/article/S0161-6420(17)33341-9/fulltext</a> ICC concomitant with other treatments, offers an alternative to enucleation in selected cases of retinoblastoma with secondary ACS. Although these are encouraging results, further studies with longer follow-up are necessary to assess the safety and long-term efficacy of this new targeted modality.</p>

Stathopoulos C.			
<b>NEW</b> Francis JH, Abramson DH, Ji X, Shields CL, ... Munier FL	Risk of Extraocular Extension in Eyes With Retinoblastoma Receiving Intravitreal Chemotherapy.	J Natl Cancer Inst. 2018 Feb 1;110(2).	With use of at least 2 presumed precautionary safety methods, no extraocular extension of tumor events occurred. According to the rule of 3, this finding suggests that the risk is no greater than 0.08% injections.
Francis JH, Abramson DH, Ji X, Shields CL, Teixeira LF, Scheffler AC, Cassoux N, Hadjistilianou D, Berry JL, Frenkel S, Munier FL	Risk of Extraocular Extension in Eyes With Retinoblastoma Receiving Intravitreal Chemotherapy.	JAMA Ophthalmol. 2017 Dec 1; 135(12):1426-1429.	With use of at least 2 presumed precautionary safety methods, no extraocular extension of tumor events occurred. According to the rule of 3, this finding suggests that the risk is no greater than 0.08% injections.
Fabian ID, Puccinelli F, Gaillard MC, Beck-Popovic M, Munier FL.	<u>Diagnosis and management of secondary epipapillary retinoblastoma.</u>	Br J Ophthalmol. 2017 Oct;101(10):1412-1418.	Cases of retinoblastoma relapse at the ONH show common clinical features and represent specific diagnostic and therapeutic challenge. Hence, the authors propose to consider this condition as a subset of retinoblastoma, termed secondary epipapillary retinoblastoma.
Chaput F, Amer R, Baglivo E, et al.	<u>Intraocular T-cell Lymphoma: Clinical Presentation, Diagnosis, Treatment, and Outcome.</u>	Ocul Immunol Inflamm. 2017 Oct;25(5):639-648.	T-cell IOL has variable clinical manifestations and prognosis. Systemic involvement, SRD, and vitreoretinal involvement were frequently observed.
Abramson DH, Shields CL, Jabbour P, et al.	<u>Metastatic deaths in retinoblastoma patients treated with intraarterial chemotherapy (ophthalmic artery chemosurgery) worldwide.</u>	Int J Retina Vitreous. 2017 Oct 23;3:40.	Free PMC article Overall, the observed risk for metastatic deaths from retinoblastoma was <1% in OAC/IAC treated children.
Wei W, Jia G, von Tengg-Kobligh H, et al.	<u>Dynamic Contrast-Enhanced Magnetic Resonance Imaging of Ocular Melanoma as a Tool to Predict Metastatic Potential.</u>	J Comput Assist Tomogr. 2017 Sep/Oct;41(5):823-827.	Dynamic contrast-enhanced magnetic resonance imaging has the potential to differentiate orbital melanomas with metastatic and nonmetastatic spread.

Munier FL, Mosimann P, Puccinelli F, Gaillard MC, Stathopoulos C, Houghton S, Bergin C, Beck- Popovic M.	<b><u>First-line intra-arterial versus intra-venous chemotherapy in unilateral sporadic group D retinoblastoma: evidence of better visual outcomes, ocular survival and shorter time to success with intra-arterial delivery from retrospective review of 20 years of treatment.</u></b>	Br J Ophthalmol. <b>2017</b> Aug; 101(8):1086-1093.	<u>Open access.</u> Retrospective mono-centric comparative review of 48 consecutive patients. The results reported here imply that eyes treated with first-line IAC will have shorter treatment period, better ocular survival and visual acuity than first-line IVC.
Ciller C, De Zanet S, Kamnitsas K, et al.	<b><u>Multi-channel MRI segmentation of eye structures and tumors using patient-specific features.</u></b>	PLoS One. <b>2017</b> Mar 28;12(3):e0173900.	<u>Open access.</u> The model improves the conventional segmentation.
Konstantinidis L, Damato B	<b><u>Intraocular Metastases-A Review.</u></b>	Asia Pac J Ophthalmol (Phila). 2017 Mar- Apr;6(2):208-214.	Review.

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