Eye Resources on the Internet

[http://webeye.ophth.uiowa.edu/dept/websites/eyeres.htm]

This site was compiled on behalf of the Association of Vision Science Librarians and is maintained on the server at the University of Iowa Department of Ophthalmology and Visual Sciences.

The Association of Vision Science Librarians is an international organization composed of professional librarians, or persons acting in that capacity, whose collections or services include the literature of vision. Among current members are individuals who work within libraries that serve educational institutions, eye clinics and hospitals, and private companies with an interest in eye or vision-related products and services. The Association is a Special Interest Group of both the Association of Schools and Colleges of Optometry and the Medical Library Association.

We encourage you to refer to the following journals on a monthly basis: Monthly Prescribing Reference, which has a regular section on eye medications, and Medical Malpractice Verdicts, Settlements and Experts, which contains a section on cases dealing with vision problems.

Library Assistant Christina Dragonas has selected the following articles from current issues of non-vision journals to help you keep abreast of developments in the optometric field.

In American Journal of Human Genetics, November:
“Mutations in the human orthologue of the mouse underwhite gene (uw) underlie a new form of oculocutaneous albinism, OCA4,” p. 981.
“Alpha-B crystalline gene (CRYAB) mutation causes dominant congenital posterior polar cataract in humans,” p. 1141.
“Leber congenital amaurosis and retinitis pigmentosa with coats-like exudative vasculopathy are associated with mutations in the crumbs homologue I (CRB1) gene,” p. 1160.

In American Journal of Pathology, October, p. 1555:
“Matrix metalloproteinases: a role in the contraction of vitreo-retinal scar tissue”

In Biochemical Journal, October, p. 153:
Role for the perlecan protein core in the activation of the keratinocyte growth factor receptor”
In Brain, November:
“Increased visual after-effects following pattern adaptation in migraine: a lack of intracortical excitation?” p. 2310.

In Cephalalgia, September, p. 712:
“Corona phenomenon as visual aura symptom in migraine”

In Clinical Anatomy, November, p. 401:
“Lacrimal fascia redefined”

In Developmental Dynamics, November, p. 471:
“Fibroblast growth factor receptor 2 (Fgfr2) plays an important role in eyelid and skin formation and patterning”

In Diabetic Medicine, October:
“Biochemical markers of type III and I collagen: association with retinopathy and neuropathy in Type 1 diabetic subjects,” p. 816.
“Screening for diabetic retinopathy is well received by patients and may improve self-management intentions,” p. 835.

In Diabetic Medicine, November, p. 883:
“Visual symptomatology in patients with sight-threatening diabetic retinopathy”

In Journal of Clinical Oncology, November, p. 4175:
“Case 2. Malignant uveal melanoma in ocular melanocytosis”

In Journal of Experimental Medicine, November, p. 1289:
“Differential roles of CD36 and αvβ5 integrin in photoreceptor phagocytosis by the retinal pigment epithelium”

In Journal of Medical Genetics, September, p. 611:
“Clustering and frequency of mutations in the retinal guanylate cyclase (GUCY2D) gene in patients with dominant cone-rod dystrophies”

In Journal of Neurology, Neurosurgery & Psychiatry, November, p. 652:
“Asymmetries of visual attention after circumscribed subcortical vascular lesions”
In Journal of Neuroscience, October 15:
“From three-dimensional space vision to prehensile hand movements: the lateral intraparietal area links the area V3A and the anterior intraparietal area in macaques,” p. 8174.
“Consistency of encoding in monkey visual cortex,” p. 8210.
“Functional retinotopy of monkey visual cortex,” p. 8286.

In Journal of Neuroscience, November 1:
“Potentiation of L-type calcium channels reveals nonsynaptic mechanisms that correlate spontaneous activity in the developing mammalian retina,” p. 8514.
“Topographic instructive signal guides the adjustment of the auditory space map in the optic tectum,” p. 8586.
“Microcircuits for night vision in mouse retina,” p. 8616.
“Dopamine- and protein kinase A- dependent mechanism for network adaptation in retinal ganglion cells,” p. 8624.

In Journal of Neuroscience, November 15:
“Spontaneous activity in developing ferret visual cortex,” p. 8906.
“Sorting of internalized neurotrophins into an endocytic transcytosis pathway via the golgi system: ultrastructural analysis in retinal ganglion cells,” p. 8915.

In Journal of Neurosurgery, November, p. 804:
“Localization of human frontal eye fields: anatomical and functional findings of functional magnet resonance imaging and intracerebral electrical stimulation”

In Journal of Physiology, October, p. 167:
“Apical tuft input efficacy in layer 5 pyramidal cells from rat visual cortex”

In Journal of Trauma, Injury, Infection & Critical Care, October, p. 790:
“Bilateral subperiosteal orbital hemorrhages after a compressive thoracoabdominal injury”

In Nature Neuroscience, October:
“Dynamics of the orientation-tuned membrane potential response in cat primary visual cortex,” p. 1014.
“Functional imaging of the primate superior colliculus during saccades to visual targets,” p. 1026.
“Lateral interactions between targets and flankers in low-level vision depend on attention to the flankers,” p. 1032.
In *Nature Neuroscience*, November:
“Disentangling signal from noise in visual contrast discrimination,” p. 1146.

In *Neurology*, November:
“Cerebrotendinous xanthomatosis,” p. 1743.

In *Neuron*, October 25:
“*Drosophila* LAR regulates R1-R6 and R7 target specificity in the visual system,” p. 237.
“Pairing -induced changes of orientation maps in cat visual cortex,” p. 325.
“Human ocular dominance columns as revealed by high-field functional magnetic resonance imaging,” p. 359.

In *Neuropharmacology*, November, p. 762:
“Effect of transgenic overexpression of NR2B on NMDA receptor function and synaptic plasticity in visual cortex”

In *Neurosurgery*, November:
“Unilateral fixed dilation of the pupil as a false-localizing sign with intracranial hemorrhage: case report and literature review,” p. 1251.

SPECIAL ISSUES OF VISION JOURNALS:

In *Ophthalmology Clinics of North America*, September:
Selected articles for Pediatric Ophthalmology include:
“Amyllopegia: current clinical studies;
Duane retraction syndrome
Refractive surgery in children
Diagnosis and management of pediatric glaucoma;
Retinopathy of prematurity
Hereditary optic neuropathies.”
RECENT Video Journal of Ophthalmology RECEIPTS: (These videotapes are kept on reserve behind the circulation desk.)

Volume 17 (3), 2001:
Phaco-tilt: evolution of the supracapsular technique
LASIK: ten small changes that reduce significant complications
Are eye trackers useful?
Phacodisruption without ultrasound: from clear lens to dense cataract with the sonic wave
Creating precise incisional flaps with the femtosecond laser
LASEK (Laser epithelial keratomileusis): an alternative to LASIK and PRK?
Using the internet to market your practice
Managing complications of filtration surgery
Phaco Phollies 2001

RECENT AUDIO-DIGEST OPHTHALMOLOGY TITLES:

Volume 39 (20), October 21:
“Challenges in glaucoma management:
   Managing the difficult glaucoma patient;
   Managing the complications of glaucoma surgery;
   Case presentation: glaucoma.”

Volume 39 (21), November 7:
“Neuro-ophthalmology update:
   Sixth nerve palsies;
   Optic neuritis;
   Ischemic optic neuropathy.”

Please publicize this newsletter to your students. Like the alphabetical and subject lists of our journals, Optometric Library Highlights can also be accessed from our library homepage local lists and publications section, and print copies are available on the counter to the right of the circulation desk.

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