Here’s an online handbook that should be of interest to you, especially as two of the authors are on the faculty here in the NSU College of Optometry, Joseph W. Sowka, OD, FAAO, and Alan G. Kabat, OD, FAAO. The URL for the handbook is <www.revoptom.com/HANDBOOK/hbhome.htm>.

Puzzled by an unusual clinical presentation and wish you could quickly turn to a colleague? Find information on how to manage over 50 commonly encountered ocular diseases. Find information on signs and symptoms, underlying pathophysiology, recommendations on treatment, and "clinical pearls."

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 Physiology, September, p. 1171:
“Thrombin regulates chemokine induction during human retinal pigment epithelial cell/monocyte interaction”

In Annals of Neurology, September, p. 413:
“Ocular flutter associated with a localized lesion in the paramedian pontine reticular formation”

In Biochemistry, September 25:
“Coupling of the reisomerization of the retinal, proton uptake, and reprotonation of Asp-96 in the N photointermediate of bacteriohodopsin,” p. 11308.
“Pigment organization and their interactions in reaction centers of photosystem II: optical spectroscopy at 6 K of reaction centers with modified pheophytin composition,” p. 11472.
In *Clinical Neurophysiology*, October, p. 1860:
“Morphological and functional retinal impairment in Alzheimer’s disease patients”

In *Journal of Child Neurology*, September:

In *Journal of Clinical Pathology*, September, p. 699:
“Uncertainty in estimating blood ethanol concentrations by analysis of vitreous humour”

In *Journal of Immunology*, October, p. 4098:

In *Journal of Neurochemistry*, September, p. 1350:
“Retinal phospholipase C from squid is a regulator of GqGα GTPase activity”

In *Journal of Neurochemistry*, October, p. 71:
“Apoptosis and necrosis occurring in excitotoxic cell death in isolated chick embryo retina”

In *Journal of Neuroendocrinology*, October, p. 839:
“Serotonergic neurons in the dorsal raphe nucleus that project into the medial preoptic area contain oestrogen receptor β”

In *Journal of Neurology, Neurosurgery & Psychiatry*, October:
“Splitting and penetration of the optic nerve by an aneurysm arising from the anterior wall of internal carotid artery: case report,” p. 525.

In *Journal of Neurophysiology*, September, p. 1398:
“Modulation of sensory suppression: implications for receptive field sizes in the human visual cortex”
In *Journal of Neurophysiology*, October, p. 1546:
“Central positional nystagmus simulated by a mathematical ocular motor model of otolith-dependent modification of listing’s plane”

In *Journal of Neuroscience*, September:
“Dentate gyrus and CA1 ensemble activity during spatial reference frame shifts in the presence and absence of visual input,” p. 7284.
“Responses of macaque V1 neurons to binocular orientation differences,” p. 7293.

In *Journal of Neuroscience*, October:
“Soluble guanylate cyclase is required during development for visual system function in *Drosophila*,” p. 7705.
“Role of tonically active neurons in primate caudate in reward-oriented saccadic eye movement,” p. 7804.

In *Journal of Neurosurgery*, October, p. 704:
“Compressive optic neuropathy caused by renal osteodystrophy. Case report”

In *Lancet*, September 22, p. 984:
“MHC class II region, *CTLA4* gene, and ophthalmopathy in patients with Graves’ disease”

In *Lancet*, October 6, p. 1134:
“Retinal microvascular abnormalities and incident stroke: the Atherosclerosis Risk in Communities Study”

In *Nature*, September 20, p. 267:
“Déjà vu in optics”

In *Nature Neuroscience*, September:
“The fundamental plan of the retina,” p. 877.

In *Neurology*, September 25, p. 1013:
“Prolonged orbicularis oculi activity: a major factor in apraxia of lid opening”
In Neuron, August 30:
“Emergence of input specificity of LTP during the development of retinotectal connections in vivo,” p. 569.

In Neuron, September 27, p. 929:
“The reelin pathway modulates the structure and function of retinal synaptic circuitry”

RECENT AUDIO-DIGEST OPHTHALMOLOGY TITLES:

Volume 39 (18), September 21:
“Corneal and external disease update I:
  What’s new for acanthamoeba keratitis?
  What’s new for herpes simplex and zoster keratitis?
  New treatments for recurrent corneal erosions.”

Volume 39 (19), October 7:
“Corneal and external disease update II:
  Corneal edema;
  Bread and butter of conjunctival surgery;
  Peripheral ulcerative keratitis.”

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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