

REFERENCES

Agular-Santos AM., Andrade LD., Medeiros Z., Chieffi PP., Lescano SZ, Perez EP. Human toxocariasis: frequency of anti-Toxocara antibodies in children and adolescents from an outpatient clinic for lymphatic filariasis in Recife, Northeast Brazil. *Rev Int Med trop S Paulo* 2004; 46 (2): 81-5.

Annual epidemiological surveillance report 2006: AIDS. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health, Thailand.

[Online]. Available:

http://203.1.57.15.4/Annual/Annual49/Part1/25_AIDS.DOC [2011, June 14].

Arevalo JF., Belfort R., Muccioli C., Espinoza JV. Ocular toxoplasmosis in the developing world. *Int Ophthalmol Clin* 2010; 50(2): 57-69.

Ausayakhun S., Watananikorn S., Ittipunkul N., Chaidaroon W., Patikulsila P., Patikulsila D. Epidemiology of the ocular complication of HIV infections in Chiang Mai. *J Med Assoc Thai* 2003; 86: 399-406.

Awan MA., Agarwal PK., Watson DG., Mc Ghee CN. Penetration of topical and subconjunctival corticosteroids into human aqueous humor and its therapeutic significance. *Br J Ophthalmol* 2009; 93(6): 708-13.

Bansal R., Gupta A., Gupta V., Dogra MR., Bambery P., Arora SK. Role of anti-tubercular therapy in uveitis latent/manifest tuberculosis. *Am J Ophthalmol* 2008; 146 (5): 772-9.

Biosearch Technologies, Inc. (Copyright © 2000-2011). (No date) Multiplex real-time PCR. [Online]. Available: <http://www.multiplexqpcr.com> [2010, July 20].

Burkardt HJ. Standardization and quality control of PCR analyses. *Clin Chem Lab Med* 2000; 38(2): 87-91.

Burrell S., Deback C., Agut H., Boutolleau D. Genotyping characterization of UL23 thymidine kinase and UL30 DNA polymerase of clinical isolates of herpes simplex virus: natural polymorphism and mutations associated with resistance to antivirals. *Antimicrob Agents Chemother* 2010; 54(11): 4833-42.

Center for Food Security and Public Health. Toxocariasis. *OiE* 2007; 1-7.

Center for Disease Control and Prevention. Treatment of tuberculosis: American Society, CDC, and Infectious Disease Society of America. *MMWR Recomm Rep* 2003; 52: 1-77.

Chams H., Lashey AR., Javadian A. The risk factors and causes of blindness in Behcet's disease. *Iranian J Ophthalmol* 2008; 20(2): 15-9.

Chams H., Rostami M., Mohammadi SF., Ohno S. Epidemiology and prevalence of uveitis: Review of literature. *Iranian J Ophthalmol* 2009; 12(4): 4-16.

Cochereau MI., Le Hoang P., Lautier RM. Ocular toxoplasmosis in human immunodeficiency virus-infected patients. *Am J Ophthalmol* 1992; 114: 130-5.

Commodaro AG., Belfort RN., Rizzo LV., Muccioli C., Silveira C., Burnier Jr MN, *et al.* Ocular toxoplasmosis-an update and review of the literature. *Mem Inst Oswaldo Cruz, Rio de Janeiro* 2009; 104(2): 345-50.

Cunningham ET. Diagnosing and treating herpetic anterior uveitis. *Ophthalmol* 2000; 107: 2129-30.

Cunningham ET., Shetlar DJ. (2008). Uveal tract and Sclera. In Riordan-Eva P., Whitcher JP (Eds), General ophthalmology. 17th edition (pp.151-185), International edition: The McGraw-Hill companies.

Daidee W. “Seroprevalence of *Toxoplasma gondii* and *Treponema pallidum* infection in uveitis patients in Northern region”. B.Sc. (Medical Technology) Thesis, Chiang Mai University, 2006.

Dainse A., Clinque P., Vergani S., Candino M., Racca .S, De Bona., *et al.* Use of polymerase chain reaction assays of aqueous humor in the differential diagnosis of retinitis in patients infected with human immunodeficiency virus. Clin Infect Dis 1997; 24(6): 1100-6.

Davis JL., Miller DM., Ruiz P. Diagnostic testing of virectomy specimens. Am J Ophthalmol 2005; 140: 822-9.

de Boer JH., Verhagen C., Bruinenberg M., Rothova A., de Jong PT., Baarsma GH., *et al.* Serologic and polymerase chain reaction analysis of intraocular fluids in the diagnosis of infectious uveitis. Am J Ophthalmol 1996; 1221: 650-8.

de Groot-Mijnes JDF., Rothova A., van Loon AM., *et al.* Polymerase Chain Reaction and Goldmann-Witmer Coefficient analyses are complimentary for the diagnosis of infectious uveitis. Am J Ophthalmol 2006;141:313-8.

de Groot-Mijnes JD., van Loon AM., Schuller M., ten dam-van Loon N H., de Boer JH., Schuurman R., Weersink AJL. Polymerase Chain Reaction and Goldmann-Witmer Coefficient analysis are complimentary for the diagnosis of infectious uveitis. Am J Ophthalmol 2006; 141(2): 313-8.

Dunn JP. Review of immunosuppressive drug therapy in uveitis. Curr Opin Ophthalmol 2004; 15: 293-8.

Durrani OM., Meads CA., Murray PI. Uveitis: a potentially blinding disease.

Ophthalmologica. 2004; Jul-Aug; 218(4): 223-36.

Errera MH., Goldschmidt P., Batellier L., Degorge S., Heron E., Laroche L., *et al.*

Real-time polymerase chain reaction and intraocular antibody production for the diagnosis of viral versus toxoplasmic infectious posterior uveitis. Graefes Arch Clin Exp Ophthalmol 2011. DOI 10.1007/s00417-011-1724-7.

Fekkar A., Bodafhi B., Touafek F., Hoang L., Mazier D., Paris L. Comparison of

Immunoblotting, calculation of the Goldmann-Witmer coefficient, and real-time PCR using aqueous humor samples for diagnosis of ocular toxoplasmosis. J Clin Microb 2008;46:1965-7.

Fernando SD., Wickramasinghe VP., Kapilananda GMG., Dewasurendra RL.,

Amarasooriya JDMS., Dayaratne HGAK. Epidemiological aspects and risk factors of toxocariasis in a pediatric population in Sri Lanka. Southeast Asian J Trop Med Pub Health 2007; 38 (6): 983-90.

Gerna G. Advances in diagnosis of herpes infection: clinical and therapeutic correlations. Curr Opin Organ Transplant 2002; 7: 308-13.

Gritz DC., Wong IG. Incidence and prevalence of uveitis in Northern California:

the Northern California epidemiology of uveitis study. Ophthalmology 2004; 111:491-500.

Gupta A., Gupta V. Tubercular posterior uveitis. Int Ophthal Clin 2005; 45(2) 71-88.

Gupta R., Murray PI. Chronic non-infectious uveitis in the elderly: epidemiology, pathophysiology and management. Drugs Aging 2006; 23(7): 535-58.

Hajj-Ali RA., Lowder C., Mandell B. Uveitis in the internist's office: A a patients eye symptoms serious. Cleveland Clin J Med 2005; 72(4): 329-39.

Hammond JA., Pomeroy PP., Hall AJ., Smith VJ. Identification and real-time PCR quantification of *Phocine distemper virus* from two colonies of Scottish gray seals in 2002. *J Gen Virol* 2005; 86: 2563-7.

Hass I., Muhlbauer G., Bozic M., Stelzl E., Koidl C., Berger A., *et al.* Evaluation of a new assay for detection of herpes simplex virus tupe 1 and type 2 DNA by real-time PCR. *J Lab Med* 2004; 28(4): 361-7.

Heiden D., Ford N., Wilson D., Rodriguez WR., Moargolis T, Janssens., *et al.* Cytomegalovirus retinitis: The neglected disease of the AIDS pandemic. *PLoS Medicine* 2007; 4(12): 1845-51.

Hodgson J., Zuckerman M., Smith M. Development of a novel internal control for a real-time PCR for HSV DNA type 1 and 2. *J Clin Virol* 2007; 38(3); 217-20.

Holbrook JT., Jabs DA., Weinberg DV., Lewis RA., Davis MD., *et al.* Visual loss in patients with cytomegalovirus retinitis and acquired immunodeficiency syndrome before widspread availability of highly active antiretroviral therapy. *Arch Ophthalmol* 2003; 121: 99-107.

Human eye (No dated). [Online]. Available:

http://en.wikipedia.org/wiki/Human_eye [2011, June 27].

ICEE: Annual Report (1 Jul 2003 – 30 June 2004) [Online].

Available: http://www.icee.org/publications/annual_2004.pdf. [2006, Aug 8].

Islam SMM., Tabbara K. Causes of uveitis at the eye center in Sausi Arabia: A retrospective review. *Ophthalmol Epidem* 2002; 9(4): 239-49.

Jabs DA., Rosenbaum JT., Foster S., Holland GN., Stiehm ER., Tessler H., *et al.*

Perspective: Guidelines for the use of immunosuppressive drugs in patients with ocular inflammatory disorders: Recommendations of an expert panel. *Am J Ophthalmol* 2000; 130: 492-513.

Kanski JJ. Uveitis. (2003). In Kanski JJ (Ed), *Clinical Ophthalmology: A systemic approach*. 5th edition. (pp. 270-316), Butterworth-Heinemann International edition: Elsevier Science Limited.

Kazokoglu H., Onal S., Tugal-Tutkun I. Demographic and clinical feature of uveitis in tertiary centers in Turkey. *Ophthalmic Epidemiol* 2008; 15(5): 285-93.

Kempen JH., Min YI., Freeman WR., Holland GN., Friedberg DN., Dieterich DT., *et al.* Risk of immune recovery uveitis in patients with AIDS and cytomegalovirus retinitis. *Ophthalmol* 2006; 113(4): 684-94.

Kestelyn PG., Cunningham ET. HIV/AIDS and blindness. *Bull World Health Org* 2001; 79: 208-13.

Khairallah M., Yahia SB., Ladjimi A., Messaoud R., *et al.* Pattern of uveitis in a Referral center in Tunisia, North Africa. *Eye* 2007; 21:33-9.

Kijlstra A., Luyendijk L., Baarma GS., Rothova A., Schweitzer CMC., Timmerman Z., *et al.* Aqueous humor analysis as a diagnostic tool in toxoplasma uveitis. *Int Ophthalmol* 1989; 13: 383-6.

Kirsch O., Lautier-Frau M., Labetoulle M., Offret H., Frau E. Characteristics of Uveitis present de novo in the elderly. *J Fr ophthalmol* 2003; 26(7): 720-4.

Knox CM., Chandler D., Short GA., Margolis TP. Polymerase chain reaction-based assays of vitreous samples for the diagnosis of viral retinitis: Use in diagnostic dilemmas. *Ophthalmol* 1998; 105(1): 37-44; discussion 44-5.

Koch WH. Nature Reviews Drug Discovery 2004; 3: 749-61.

Leder HA., Jabs DA., Galor A., Dunn JP., Throne JE. Periocular Triamcinolone acetate injections for cystoid macular edema complicating noninfectious uveitis. Am J Ophthalmol 2011; (Epub ahead of print).

Lynch NR., Eddy K., Hodgen AN., Lopez R.I, Turner KJ. Seroprevalence of *Toxocara canis* infection in tropical Venezuela. Trans roy Soc trop Med Hyg 1988; 82: 275-81.

Mackay IM., Arden KE., Nitsche A. Real-time PCR in virology. Nucleic Acids Res 2002; 30(6): 1292-305.

Mackay IM. Real-time PCR in the microbiology laboratory. Clin Microbiol Infect 2004; 10: 190-212.

Moorthy RS., Smith RE., Rao NA. Progressive ocular toxoplasmosis in patients with acquired immunodeficiency syndrome. Am J Ophthalmol 1993; 115: 742-7.

Muccioli C., Belfort R. Presumed ocular and central nervous system tuberculosis in a patient with the acquired immunodeficiency syndrome. Am J Ophthalmol 1996; 121: 217-9.

Munoz-Fernandez S., Martin-Mola E. Uveitis. Best Prac Research Clin Rheu 2006; 20(3): 487-505.

Niesters HGM. Quantitation of viral load using real-time amplification techniques. Methods 2001; 25: 419-29.

Noordin R., Smith HV., Mohamada S., Maizels RM., Fong MY. Comparison of IgG-ELISA and IgG4-ELISA for *Toxocara* serodiagnosis. Acta Tropica 2005; 95: 57-62.

Ongkosuwito JV., Van der Lelij A., Bruinenberg M., Wienesen-van Doorn M., Ferom EJC., Hoyng CB., *et al.* Increased presence of Epstein-Barr virus DNA in Ocular fluid samples from HIV negative immunocompromised patients with uveitis. *Br J Ophthalmol* 1998; 82: 245-51.

Pathanapitoon K., Ausayakhun S., Kunavisarut O., Puangrasame A., Sirirungsi W. Detection of cytomegalovirus in vitreous, aqueous and conjunctiva by polymerase chain reaction. *J Med Assoc Thai* 2005; 88: 228-32.

Pathanapitoon K., Ausayakhun S., Kunavisarut P., Wattananikorn S., Ausayakhun S., Leeungurastien T., *et al.* Blindness and low vision in a tertiary ophthalmologic center in Thailand: The importance of Cytomegalovirus Retinitis. *Retina* 2007; 27(5): 635-40.

Pathanapitoon K., Kunavisurat P., Ausayakhun S., Sirirungsi W., Rothova A. Uveitis in a tertiary ophthalmology centre in Thailand. *BrJ Ophthalmol* 2008; 92(4): 474-8.

Paroli MP., Spinnucci G., Liverani M., Monte R., Pezzi PP. Uveitis in childhood: An Italian clinical and epidemiology study. *Ocul Immunol Inflamm* 2009; 17: 239-42.

QIAGEN, Inc. (No date) QIAGEN® Multiplex PCR Handbook: October/2010.

[Online]. Available: <http://www.qiagen.com> [2010, June 10].

Rathinam SR., Namperumalsamy P. Global variation and pattern changes in epidemiology of uveitis. *Indian J Ophthalmol* 2007; 55: 173-83.

Reny JL., Challe G., Geisert P., Aerts J., Ziza JM., Raquin G. Tuberculosis-related retinal vasculitis in an immunocompetent patient. *Clin Infect Dis* 1996; 22: 873-4.

Riordan-Eva P. (2008). Anatomy and embryology of the eye. In Riordan-Eva P., Whitcher JP (Eds), General ophthalmology. 17th edition. (pp.1-27), International edition: The McGraw-Hill companies.

Ronday MJ., Stilma JS., Barbe RF., McElroy WJ., *et al.* Aetiology of uveitis in Sierra Leone, West Africa. Br J Ophthalmol 1996; 80: 956-61.

Schrier RD., Song MK., Smith IL., Karrvellas MP., Bartsch DU., Torriani FJ., *et al.* Intraocular viral and immune pathogenesis of immune recovery uveitis in patients with healed cytomegalovirus retinitis. Retina 2006; 26(2): 165-9.

Singh R., Gupta A. Pattern of uveitis in a referral eye clinic in Northern India. Indian J Ophthalmol 2004; 52: 121-5.

Sirirungsi W., Pathanapitoon K., Kongyai N., Weersink A., de Groot-Mijnes JD., Leechanachai L, *et al.* Infectious uveitis in Thailand: Serologic analyses and Clinical Features. Ocular Immunology and Inflammation 2009; 17(1): 17-22.

Snyder RW., Glasser DB. Antibiotic therapy for ocular infection. West J Med 1994; 161: 579-84.

Soheilian M., Heidari K., Yazdani S., Shahsavari M., Ahmadi H., Dehgham MH. Patterns of uveitis in a tertiary eye care center in Iran. Ocul Immunol Inflamm 2004; 12: 297-310.

Standardization of uveitis nomenclature (SUN) working group. Standardization of uveitis nomenclature for reporting clinical data. Results of the first international workshop. Am J Ophthalmol 2005; 140: 509-16.

Stanford MR., See SE., Jones LV. Antibiotics for toxoplasmic retinochoroiditis, An evidence-based systemic review. Ophthalmol 2003; 110: 926-32.

Stewart JM., Cuubillan LDP., Cunningham ET. Prevalence, clinical feature, and causes of vision loss among patients with ocular toxocariasis. *Retina* 2005; 25: 1005-13.

Stocher M., Leb V., Bozic M., Kessler HH., Halwachs-Baumann G., Landt O., *et al.* *J Clin Virol* 2003; 26: 85-93.

Stoffel PB., von Vigier RO., Beretta-Piccoli BC., Ramelli GP., Bianchetti. Non-infectious causes of uveitis in 70 Swiss children. *Acta Paediatr* 2000; 89: 955-8.

Sugita S., Shimizu N., Watanabe K., Mizukami M., Morio T., Sugamoto Y., *et al.* *Br J Ophthalmol* 2008; 92: 928-32.

Terazawa A., Muljono R., Susanto L., Margono SS., Konishi E. High Toxoplasma Antibody prevalence among inhabitants in Jakarta, Indonesia. *Jpn J Infect Dis* 2003; 56: 107-9.

TIB MOLBIOL GmbH (Copyright © 2009) (No date). Real-time PCR principle. [Online]. Available: <http://www.tib-molbiol.de/lightcycler/principle/formats.html> [2007, Dec 20].

Tugal-Tutkun I., Harljkova K., Power WJ., Foster CS. Changing patterns in uveitis of childhood. *Ophthalmol* 1996; 103(3): 375-83.

U.S. National Library of Medicine. NIH (No date). Toxoplasmosis. [Online].

Available: <http://www.nlm.nih.gov/medlineplus/ency/article/001005.html> [2006, Aug 8].

U.S. National Library of Medicine. NIH (No date). Uveitis. [Online]. Available: <http://www.nlm.nih.gov/medlineplus/ency/article/001005.htm> [2006, Aug 8].

van Doornum GJJ., Guldemeester J., Osterhaus ADME., Niesters HGM.

Diagnosing herpesvirus infection by real-time PCR amplification and ripid culture. *J Clin Microb* 2003; 41(2): 576-80.

Vallochi AL., Nakamura MV., Schlesinger D. Ocular txoplasmosis: more than just what meets the eye. *Scand J Immunol* 2002; 55: 324-8.

Vallochi AL., Muccioli C., Martins MC., Silveira C., Belfort R., Jr Rizzo LV. The genotype of *Toxoplasma gondii* strains causing ocular toxoplasmosis in humans in Brazil. *Am J Ophthalmol* 2005; 139: 350-61.

Wakabayashi T., Morimura Y., Okada AA. Changing patterns of intraocular inflammatory disease in Japan. *Ocul Immunol Inflamm* 2003; 11(4): 277-86.

Wakefield D., Chang JH. Epidemiology of Uveitis. *Int Ophthalmol* 2005; 45(2): 1-13.

WebMD LLC. (Copyright © 1994-2011) (No date). Tuberculosis.. [Online].

Available: <http://www.emedicine.com/oph/topic458.htm> [2006, Sep 26].

Westeneng AC., Rothova A., de Boer JH., de Groot-Mijnes JD. Infectious uveitis in immunocompromised patients and the diagnostic value of polymerase chain reaction and Goldmann-Witmer coefficient in aqueous analysis. *Am J Ophthalmol* 2007; 144: 781-5.

Wiafe B. Herpes Zoster Ophthalmicus in HIV/AIDS. *Community Eye health* 2003; 16(47): 35-6.

Wittwer CT., Herrmann MG., Gundry CN., Elenitoba-Johnson KSJ. Real-time multiplex PCR assays. *Methods* 2001; 25: 430-442.

Wongboonma W. “Seroprevalence of *Toxoplasma gondii* infection in Thai uveitis patients”. B.Sc. (Medical Technology) Thesis, Chiang Mai University, 2005.

Yang P., Zhang Z Zhou H., Li B., Huang X., *et al.* Clinical patterns and characteristics of uveitis in a tertiary center for uveitis in China. *Curr Eye Res* 2005; 30: 943-8.

Zamora DO., Rosenbaum JT., Smith JR. Invasion of human retinal vascular endothelial cells by *Toxoplasma gondii* tachyzoites. *Br J Ophthalmol* 2008; 92: 852-5.