



# The 6<sup>th</sup> Congress of Asian Society for Pediatric Research & 51<sup>st</sup> Annual Meeting of Taiwan Pediatric Association

April 15-18, 2010 Taipei, Taiwan



## CHENG T. CHO

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| <b>Title:</b>       | Professor Emeritus  |
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### CURRENT POSITION :

- ◆ Professor Emeritus, Department of Pediatrics ,University of Kansas School of Medicine

### EDUCATIONAL BACKGROUND :

- ◆ Kaohsiung Medical College, Taiwan; University of Kansas, Ph.D. (Microbiology)

### RESEARCH INTERESTS :

- ◆ **Laboratory:** Pathogenesis, host responses, and control of viral infections (monkeypox virus, herpes simplex virus and coxsackie virus)
- ◆ **Clinical:** Infection in the immunocompromised host, and clinical infectious diseases
- ◆ **Teaching and learning**

### PUBLISHED WORKS : (selected list)

#### 1. Pathogenesis, host responses, and control of viral infections

Wenner HA, **Cho CT**, Bolano CR, Kamitsuka PS. Studies on the pathogenesis of monkeypox II: dose-response and virus dispersion. *Arch Ges Virusforsch* 1969; 27:166-178.

Wenner HA, **Cho CT**, Bolano CR, Kamitsuka PS. Studies on the pathogenesis of monkeypox III: histopathological lesions and sites of immunofluorescence. *Arch Ges Virusforsch* 1969;179-197.

Wenner HA, **Cho CT**, Bolano CR, Kamitsuka PS. Monkeypox IV: modification of disease pattern by antilymphocytic sera. *J Infect Dis* 1969; 120:318-331.

**Cho CT**, Bolano CR, Kamitsuka PS, Wenner HA. Methisazone and monkeypox virus: studies in cell cultures, chick embryos, mice and monkeys. *Amer J Epidem* 1970; 92:137-144.

**Cho CT**, Locke T, Wenner HA. Viremia and virus measurement of rabbitpox in CV-1 cells. *Appl Microbiol* 1970; 19:791-794.

**Cho CT**, Wenner HA. In-vitro growth characteristics of monkeypox virus. *Proc Soc Exp Biol Med* 1972; 139:916-920.

**Cho CT**, Liu C, Wenner HA. Monkeypox virus: response of infection in chick embryos. *Proc Soc Exp Biol Med* 1972; 139:1206-1212.

Liu C, Jayanetra P, Voth DW, Muangmanee L, **Cho CT**. Potentiating effect of *Mycoplasma pneumoniae* infection on the development of pneumococcal septicemia in hamsters. *J Infect Dis* 1972; 125:603-612.



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**Cho CT**, Wenner HA. Monkeypox virus. *Bacteriol Rev* 1973;37:1-18.

**Cho CT**, Liu C, Voth DW, Feng KK. Effects of idoxuridine on *Herpesvirus hominis* encephalitis and disseminated infections in marmosets. *J Infect Dis* 1973; 128:718-723.

**Cho CT**, Feng KK. Non-immunological precipitation of serum by sodium dodecyl sulfate. *Appl Microbiol* 1974; 28:557-560.

**Cho CT**, Feng KK, Brahma Gupta B, Liu C. Immunofluorescent staining for the measurement of antibodies to *Herpesvirus hominis*. *J Infect Dis* 1975; 132:311-315.

**Cho CT**, Feng KK, Brahma Gupta N. Synergistic antiviral effects of adenine arabinoside and humoral antibodies in experimental encephalitis due to *Herpesvirus hominis*. *J Infect Dis* 1976; 133:157-167.

**Cho CT**, Feng KK. Synergistic effects of antiviral agents and humoral antibodies in experimental *Herpesvirus hominis* encephalitis. *Ann NY Acad Sci* 1977; 284:321-334.

**Cho CT**, Feng KK. The interaction of adenine arabinoside and host defensive factors in response to infection with *Herpesvirus hominis*. *J Infect Dis* 1977; 135:468-472.

**Cho CT**, Feng KK, Liu C. Measurement of antibodies to *Herpesvirus hominis* by indirect immunofluorescent antibody method. *Microscopica Acta* 1977; 79:47-54.

**Cho CT**, Feng KK. Sensitivity of virus isolation and immunofluorescent staining in diagnosis of herpes simplex virus infection. *J Infect Dis* 1978; 138:536-540.

**Cho CT**, Feng KK. Combined effects of acycloguanosine and humoral antibodies in experimental encephalitis due to *Herpesvirus hominis*. *J Infect Dis* 1980; 142: 451.

**Cho CT**, Feng KK, McCarthy VP, Lanahan MF. Role of antiviral antibodies in resistance against coxsackie virus B3 infection: Interaction between preexisting antibodies and an interferon inducer. *Infect Immun* 1982; 37:720-727.

## 2. Clinical Infectious Diseases

**Cho CT**, Janelle JG, Behbehani A. Severe neonatal illness associated with ECHO 9 virus infection. *Clin Pediatr* 1973; 12:304-305.

**Cho CT**, Hiatt WO, Behbehani MA. Pneumonia, massive pleural effusion and its sequelae associated with adenovirus type 7 infection. *Amer J Dis Child* 1973;126:92-94

**Cho CT**, Vats TS, Lowman JT, Brandsberg JW, Tosh FE. *Fusarium solani* infection during therapy for leukemia. *J Pediatr* 1973; 83:1028-1031.

D'Souza BJ, Lansky LL, **Cho CT**. Tuberculous meningitis developing after six months of treatment of pulmonary tuberculosis. A complication of infection with a drug-resistant strain. *Clin Pediatr* 1975; 14:729-733.

Mausbach TW, **Cho CT**. Pneumonia and pleural effusion associated with influenza A virus and *Staphylococcus aureus*. *Am J Dis Child* 1976; 130:1005-1006.

Chartrand SA, **Cho CT**. Persistent pleocytosis in bacterial meningitis. *J Pediatr* 1976; 88:424-426.

Low RC, **Cho CT**, Dudding BA. Social, familial and clinical aspects of gonococcal infections in young children. *Clin Pediatr* 1977; 16:623-626.

Smith SD, **Cho CT**, Brahma Gupta N, Lanahan MF. Pulmonary involvement with cytomegalovirus infections in children. *Arch Dis Child* 1977; 52:441-446.

Carlisle JR, Millett RE, **Cho CT**, Vats TS. Primary cutaneous aspergillosis in a leukemic child. *Arch Dermatology* 1978; 114:78-80.



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- McCarthy VP, Carlile JR, **Cho CT**, Dudding BA. A new challenge: measles and measles immunization. *J Kan Med Soc* 1978; 79:111-114.
- McCarthy VP, **Cho CT**. Endometritis and neonatal sepsis due to *Streptococcus pneumoniae*. *Obstetrics and Gynecology* 1979; 53:47S-49S.
- McCarthy VP, **Cho CT**, Diehl AM, Ramsey BW. Bacterial endocarditis due to penicillin resistant *Streptococcus viridans*. *Clin Pediatr* 1979; 18:263-266.
- Chapman AL, Fegley B, **Cho CT**. X-ray microanalysis of chloride in nails from cystic fibrosis and control patients. *European J Resp Dis* 1985; 66:218-233
- Stine KC, Harris JA, Lindsey NL, **Cho CT**. Spontaneous remission of cryptosporidiosis in a child with acute lymphocytic leukemia. *Clin Pediatr* 1985; 24:722-724.
- Friesen CA, **Cho CT**. Characteristic features of neonatal *Hemophilus influenzae* sepsis. *Rev Infect Dis* 1986; 8:777-780.
- Lovell VM, **Cho CT**, Lindsey NJ, Nelson PL. *Francisella tularensis* meningitis: a rare clinical entity. *J Infect Dis* 1986; 154:916-918.
- Watanabe M, **Cho CT**, Trueworthy RC, Saving KL. Prolonged echoviral meningitis in a cancer patient with normal immunoglobulins. *Med Pediatr Oncol* 1986; 14:342-344.
- Tucker VL, **Cho CT**. AIDS and adolescents. How can you help them reduce their risk? *Postgraduate Med* 1991; 89:49-53.
- Whittaker TJ, **Cho CT**. Prevention and management of neonatal herpes. *Comprehensive Therapy* 1991; 17:13-16.
- Gurbani SG, **Cho CT**, Lee KR. *Staphylococcus epidermidis* meningitis and intraspinal abscess associated with a mid-thoracic dermoid sinus. *Clin Infect Dis* 1994; 19:1138-1140.
- Voorhees BB (edited by Belmont JM, **Cho CT**). Sean's story: The death of a young boy by AIDS. *Acta Paediatrica Sinica* 1994; 35:373-376.
- Cho CT**, Belmont JM. Caring for the family with acquired immunodeficiency syndrome (AIDS). Editorial, *Acta Paediatrica Sinica* 1994; 35:353-354.
- Gurbani SG, **Cho CT**, Lee KR, Powell L. Gonococcal abscess of the obturator internus muscle: diagnostic approach and non-surgical intervention. *Clin Infect Dis* 1995; 20:1384-6.
- Tsai CH, **Cho CT**. Rotavirus and non-febrile convulsions. Editorial, *Acta Paediatrica Sinica* 1996; 37:165-167.
- Huang LM, Pfeiffer B, **Cho CT**. Human Herpesvirus 6 infection. *Acta Paediatrica Sinica* 1997; 38:1-7.
- Leff RE, **Cho CT**, Reed MD. Safety and efficiency of trimethoprim hydrochloride solution for the treatment of children with otitis media. *J Pediatr Pharmacy Practice* 1998; 3:33-39.
- Johnson HL, Chiou CCC, **Cho CT**. Applications of acute phase reactants in infectious diseases. *J Microbiol Immunol Infect* 1999; 32:73-82.
- Williams JR, Chen PY, **Cho CT**, Chin TDY. Influenza: prospect for prevention and control. *Kaohsiung J. Med Sci* 2002; 18:421-34.
- Okonkwo KC, Wong KG, Cho CT, Gilmer L Testicular trauma resulting in shock and systemic inflammatory response syndrome: a case report. *Cases Journal* 2008;1:4  
(<http://casesjournal.com/casesjournal/article/view/5226/453>)



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### 3. National Collaborative Studies

**Participated in the following antiviral studies supported by the Collaborative Antiviral Study Group and the National Institute of Allergy and Infectious Diseases:**

Whitely RJ, et al. The natural history of herpes simplex virus infection of mother and newborn. *Pediatrics* 1980;66:489-494 (Liu C, Cho C. University of Kansas Medical Center)

Whitely RJ, et al. Vidarabine therapy of neonatal herpes simplex virus infection. *Pediatrics* 1980; 66:495-501 (Liu C, Cho C. University of Kansas Medical Center).

Whitely RJ, et al. Early vidarabine therapy to control the complications of herpes zoster in immunosuppressed patients. *N Engl J Med* 1982;307:971-5

(Liu C, Hinthorn DR, Cho CT, and Hodges GR., University of Kansas Medical Center)

Nahamias AJ, et al. Herpes simplex virus encephalitis: laboratory evaluations and their diagnostic significance. *J Infect Dis* 1982;145:829-836

(Liu C, Hinthorn DR, Hodges GR, and Cho CT, University of Kansas Medical Center)

Whitely RJ, et al. Vidarabine therapy of varicella in immunosuppressed patients. *J Pediatric* 1982;101:125-131 (Liu C, Hinthorn DR, Cho CT, and Hodges GR. University of Kansas Medical Center)

Whitely RJ, et al. Vidarabine therapy for mucocutaneous Herpes simplex virus infection in the immunosuppressed host. *J Infect Dis* 1984; 149:1-8

(Liu C, Hinthorn DR, Cho CT, and Hodges GR., University of Kansas Medical Center)

#### **Participated in national anti-viral prophylaxis and antibiotics studies:**

The IMPact-RSV Study Group. Palivizumab, a humanized respiratory syncytial virus monoclonal antibody, reduces hospitalization from respiratory syncytial virus infection in high risk infants.

*Pediatrics* 1998;102:531-537 (Cho CT, and Leff, RD. University of Kansas Medical Center)

Harris JA, et al. Safety and efficacy of azithromycin in the treatment of community-acquired pneumonia in children. *Pediatr Infect Dis J* 1998;17:865-71 (Palazzolo M, and Cho C. Kansas City, KS)

Meropenem Pediatric Infection Group. Snedden S, et al. Meropenem vs cefotaxime-based therapy for the initial treatment of infants and children hospitalized with non-CNS infections.

*Clin Drug Invest* 1999;17:9-20 (Cho CT. University of Kansas, Kansas City, Kansas)

### 4. Education, teaching and learning

Cho JE, Belmont JM, Cho CT. Correcting the bias of clerkship timing on academic performance. *Arch Pediatr Adolesc Med* 1998;152:1015-1018

Cho JE, Cho CT, Belmont JM. Learning to assess the value of infectious disease journals. *J Microbiol Immunol Infect* 1998; 31:1-4

Cho JL, Cho CT. Assessing the value of pediatric journals. *Acta Paediatrica Sinica* 1998;39:218-222

Belmont JM, Cho CT. Neutralizing the "clerkship timing effect" [letter]. *Academic Medicine* 1999;74:205

Andersen J, Belmont J, Cho CT. Journal impact factor in the era of expanding literature. *J Microbiol Immunol Infect* 2006;39:436-443

### 5. Book

Pediatric Infectious Diseases – Medical Outline Series. Cho CT, Dudding BA, eds. Garden City, NY: Medical Examination Pub Co, 1978, 592 pp.