CIRRICULUM VITAE

Dr. Cheung Pik To

MBBS (HK), FRCP (Edin), FHKAM (Paediatrics), FHKCPaed

CURRENT APPOINTMENTS

- Director of Paediatric Endocrine and Genetic Metabolic Service, Virtus Medical Group, Hong Kong
- Honorary Associate Professor, Department of Paediatrics and Adolescent Medicine, The University of Hong Kong
- Honorary Consultant (Paediatric Services), Hospital Authority, Hong Kong

PAST APPOINTMENTS

- Associate Professor, Department of Paediatrics and Adolescent Medicine, The University of Hong Kong (1994-2017)
- Fellow, Pediatric Endocrinology, Children's Hospital Medical Center, Cincinnati, Ohio, USA (1988-92)
- Research Associate, Neurochemie Labor, Kinderklinik, Inselspital Bern, Bern, Switzerland (1992-4)

Degree:

Bachelor of Medicine and Bachelor of Surgery (M.B.B.S.) - University of Hong Kong, Hong Kong - 1981

Professional Qualification:

Member of Royal College of Physicians (M.R.C.P.), United Kingdom, 1985.

Fellow of Hong Kong Academy of Medicine (F.H.K.A.M.), 1994.

Fellow of Hong Kong College of Paediatricians (F.H.K.C. Paed), 1994.

Fellow of Royal College of Physicians of Edinburgh (F.R.C.P. Edin), 1995.

Member of the Royal College of Paediatrics and Child Health, 1997.

OFFICE BEARER OF PROFESSIONAL BODIES

1. Chairman, The Paediatric Endocrinology Provisional Subspecialty Board, Hong Kong College of Paediatricians
2. Council member, the Hong Kong Society for Paediatric Endocrinology and Metabolism (HKSPEM)
3. Council member, Chinese Society of Paediatric Endocrinology and Metabolism (CPSEM, 中华医学会儿科学分会内分泌遗传代谢学组)
4. Director, Editorial Board of Journal of Paediatrics, Obstetrics and Gynaecology

5. Editor, Chinese Journal of Pediatrics (CJP) of Chinese Medical Association (CMA) (中华医学会儿科杂志)
6. Council member, Paediatric Endocrinology and Genetic Metabolic disease, Chinese Medical Doctor Association (CMDA, 中国医师协会儿科内分泌遗传代谢学组)
7. Ex-Senior Editor, The Hong Kong Medical Journal
8. Ex-Council Member, the Hong Kong College of Paediatricians
9. Past President of the Hong Kong Society for Paediatric Endocrinology and Metabolism
10. Past President of the Hong Kong Society of Endocrinology, Metabolism and Reproduction
11. Ex-Chairman, Scientific Program Committee, the Asia Pacific Paediatric Endocrine Society (APPES)

MEMBER OF ADVISORY BOARDS:

- Medical Advisor, Hong Kong Youth Diabetes Action

- Member, Expert Panel on Enzyme Replacement Therapy for Lysosomal Storage Disorders, Hospital Authority

ROLES IN RECENT INTERNATIONAL MEETINGS

- Chairman of the scientific program committee of the 10th APPES Biennual Scientific Meeting, Chiangmai, Thailand November 7-10, 2018

- Member of the 10th International Joint Meeting of Pediatric Endocrinology Organizing Committee, Washington DC, USA Sept 14-17, 2017

- Co-chairperson for scientific program committee of the 9th APPES/50th JSPE Scientific Meeting, Tokyo, Japan November 17-20, 2016

- Co-chairperson for scientific program committee of the 8th APPES/APEG Joint Meeting, Darwin, Australia October 29 - November 1, 2014

RESEARCH STUDENTS AND POSTDOCTORAL FELLOWS AND CLINICAL FELLOWS SUPERVISED

- 2 Postdoctoral fellows; 7 PhD students; 10 MPhil students; 1 MMedRes student and 3 MMedSc student
- 15 Clinical and Research Fellows from Mainland China

PUBLICATIONS IN INTERNATIONAL JOURNALS

1. Low LCK, Lin HJ, Cheung PT, Lee FT, Chu SY, Kwok TL, Bacon-Shone J, Yeung CY. Screening for congenital hypothyroidism in Hong Kong. Australian Paediatric Journal 22:53-56, 1986.
2. Hawkins BR, Lam KL, Ma JTC, Low LCK, Cheung PT, Serjeantson SW, Young RTT. Strong association of HLA-DR3/DRw9 heterozygosity with early onset insulin-dependent diabetes mellitus in Chinese. Diabetes 36:1297-1300, 1987.
3. Cheung PT, Low LCK. Intracranial embryonal carcinoma and precocious puberty. Australian Paediatric Journal 23:201-203, 1987.
4. Low LCK, Wang C, Cheung PT, Ho P, Lam KSL, Young RTT, Yeung CY, Ling N. Long term pulsatile growth hormone (GH)-releasing hormone therapy in children with GH deficiency. Journal of Clinical Endocrinology and Metabolism 66:611-617, 1988.
5. Tam AY, Ng IO, Cheung PT, Tang TS, Li CH. Haemorrhagic shock encephalopathy. Acta Paediatrica Scandinavia 78:458-462, 1989.
6. Low LC, Wang C, Cheung PT, Chan FL. Treatment of precocious puberty using an intranasal luteinizing hormone-releasing hormone analogue: Buserelin. Australian Paediatric Journal 25:274-278, 1989.
7. Low LCK, Cheung PT, Cao DR, Wang CCL, Pang SF. Plasma melatonin concentration in patients with precocious thelarche or precocious puberty. Advances in Pineal Research:3. Reiter RJ & Pang SF eds, John Libbey & Co Ltd. 287-290, 1989.
8. Cheung PT, Smith EP, Shimasaki S, Ling N, Chernausek SD. Characterization of an insulin-like growth factor binding protein (IGFBP-4) produced by the B104 rat neuronal cell line: chemical and biologic properties and differential synthesis by sublines. Endocrinology 129: 1006-1015, 1991.
9. Smith EP, Cheung PT, Ferguson A, Chernausek SD. Mechanisms of sertoli cell insulin-like growth factor (IGF)-binding protein-3 regulation by IGF-I and adenosine 3', 5'-monophosphate. Endocrinology 131:2733-2741, 1992.
10. Myers SE, Cheung PT, Handwerger S, Chernausek SD. Insulin-like growth factor-I (IGF-I) enhanced proteolysis of IGF binding protein-4 in conditioned medium from primary cultures of human decidua: independence from IGF receptor binding. Endocrinology 133:1525-1531, 1993.
11. Chernausek SD, Murray MA, Cheung PT. Expression of insulin-like growth factor binding protein-4 (IGFBP-4) by rat neural cells - comparison to other IGFBPs. Regulatory Peptides 48:123-132, 1993.
12. Burgunder JM, Cheung PT. Expression of soluble guanylyl cyclase gene in adult rat brain. European Journal of Neuroscience 6:211-217, 1994.
13. Cheung PT, Wu J, Banach W, Chernausek SD. Glucocorticoid regulation of an insulin-like growth factor binding protein-4 (IGFBP-4) protease produced by rat neuronal cell line. Endocrinology 35: 1328-1335, 1994.
14. Frank GR, Cheung PT, Horn JA, Alfaro MP, Smith EPS, Chernausek SD. Predicting the growth response to growth hormone in patients with intrauterine growth retardation. Clinical Endocrinology 44: 679-685, 1996.
15. Low LCK, Sham C, Kwan E, Karlberg J, Tang G, Cheung PT, Pang F, Tse W, But B, Yu CM, Lam STS. Spontaneous growth in Chinese patients with Turner Syndrome and the influence of the karyotype. Paediatrica Scandinavia 86:22-25, 1997.
16. Yuen KY, Chan PKS, Pieris M, Tsang DNC, Que TL, Shortridge KF, Cheung PT, To WK, Ho ETS, Sung R, Cheng AFB. Human disease associated with avian influenza A virus subtype H5N1-clinical features and rapid viral diagnosis. Lancet 351:467-471, 1998.

17. Low LCK, Postel-Vinay MC, Kwan EYW, Cheung PT. Serum growth hormone (GH) binding protein, IGF-I and IGFBP-3 in patients with β-thalassaemia major and the effect of GH treatment. Clinical Endocrinology 48: 641-646, 1998.
18. Low LCK, Kwan EYW, Cheung PT, Li MC, Ha SY, Lau YL, Karlberg J. The effect of platyspondyly and pubertal growth spurt on the stature of patients with ?-thalassaemia major. Chinese Medical Journal 111: 731-735, 1998.
19. Tu W, Zhang D, Cheung PT, Tsao SW, Lau YL. Effect of insulin-like growth factor 1 on PHA-stimulated and blood mononuclear cell telomerase activity. British Journal of Haematology 104:785-794, 1999
20. Tu W, Cheung PT, Lau YL. Insulin-like growth factor-I increases interferon-γ and interleukin-6 mRNA and protein expression in neonatal mononuclear cells. Pediatric Research 46:1-7, 1999.
21. Huen KF, Low LC, Wong GW, Tse WW, Yu AC, Lam YY, Cheung PC, Wong LM, Yeung WK, But BW, Cheung PT, Kwan EY, Karlberg JP, Lee C. Epidemiology of diabetes mellitus in children in Hong Kong: the Hong Kong childhood diabetes register. Journal of Pediatric Endocrinology & Metabolism. 2000, 13(3): 297-302.
22. Kwan EYW, Tam SCF, Cheung PT and Low LCK. The Effect of 3 Years of Recombinant Growth Hormone Therapy on Glucose Metabolism in Short Chinese Children with β-Thalassemia Major. Journal of Pediatric Endocrinology & Metabolism. 2000, 13(5): 545-552.
23. Tu W, Cheung PT, Lau YL. Insulin-like growth factor-I promotes cord blood T cell maturation and inhibits its spontaneous and phytohemagglutinin-induced apoptosis through different mechanisms. The Journal of Immunology 165: 1331-1336, 2000.
24. Tu WW, Cheung PT, Lau YL. Effect of insulin-like growth factor 1 on cytokine productions in neonatal cord blood mononuclear cells. Chinese Journal of Pediatrics. 2000, 38(8): 471-473.
25. Tsang MCS, Lo ACY, Cheung PT, Chung SSM, Chung SK. Perinatal hypoxia/ischemia induced endothelin-1 mRNA in astrocyte-like and endothelial cells. Neuroreport 12: 2265-2270, 2001.
26. Chiu RWK, Lau TK, Cheung PT, Gong ZQ, Leung TN, Lo YMD. Noninvasive prenatal exclusion of congenital adrenal hyperplasia by maternal plasma analysis: a feasibility study. Clin Chem 2002; 48:778–80.
27. Ip P, Goh W, Chan KW, Cheung PT. A novel FUCA1 mutation causing fucosidosis in a Chinese boy. J Inherit. Metab. Dis. J. Inherit. Metab. Dis. 25:415-416, 2002.
28. Yick LW, Cheung PT, So KF, Wu W. Axonal regeneration of Clarke's neurons beyond the spinal cord injury scar after treatment with chondroitinase ABC. Experimental Neurology. 2003, 180: 160-168.
29. Khong PL, Tse CYC, Wong IYC, Lam BCC, Cheung PT, Goh WHS, Kwong NS, Ooi CGC. Diffusion-weighted MR imaging (DWI) and proton-magnetic resonance spectroscopy (MRS) in perinatal hypoxic-ischaemic encephalopathy: association with neuromotor outcome at 18 months of age. J Child Neurol 2004, 19: 872-881.
30. Yick LW, Cheung PT, So KF, Wu W. Lithium chloride reinforces the regeneration-promoting effect of chondroitinase ABC on rubrospinal neurons after spinal cord injury. J Neurotrauma 2004, 21: 932-943.
31. Hui ACF, Cheung PT, Tang ASY, Fu M, Wong L, Kay R. Clinical and electrophysiological features in Chinese patients with Kennedy's disease. Clinical Neurology and Neurosurgery 2004, 106: 309–312.

32. Nong SH, Xie YM, Chan KW, Cheung PT. Severe hyperbilirubinaemia in a Chinese girl with Criggler Najjar Syndrome: first case ever reported in mainland China. J Paediatric Child Health. 2005, 41:300-302.
33. Concannon P, Erlich HA, Julier C, Morahan G, Nerup J, Pociot F, Todd JA, Rich SS and the Type 1 Diabetes Genetics Consortium. Type 1 Diabetes: Evidence for Susceptibility Loci from Four Genome-Wide Linkage Scans in 1,435 Multiplex Families. Diabetes 2005, 54: 2995-3001
34. Wang YX, Cheung PT, Shen GX, Wu E, Cao G, Bhatia Iϕ, Wong WHS, Khong PL. Hypoxic-ischaemic brain injury in the neonatal rat model: relationship between lesion size at early MR imaging and irreversible infarction. Am J Neuroradiology 2006, 27:51-54.
35. Shi J, Liu Y, Zheng Y, Guo Y, Zhang J, Cheung PT, Xu R, Zheng D. Therapeutic expression of an anti-death receptor 5 single-chain fixed-variable region prevents tumor growth in mice. Cancer Res 2006, 66, 11946-53.
36. Xu R, Harrison PM, Chen M, Li L, Tsui TY, Fung PC, Cheung PT, Wang G, Li H, Diao Y, Krissansen GW, Xu S, Farzaneh F. Cytoglobin overexpression protects against damage-induced fibrosis. Mol Ther 2006, 13, 1093-100
37. Cheung WM, Jin LY, Smith DK, Cheung PT, Kwan EY, Low L, Kung AW. A family with osteoporosis pseudoglioma syndrome due to compound heterozygosity of two novel mutations in the LRP5 gene. Bone. 2006, 39: 470-6.
38. Wang Y, Cheung PT, Shen GX, Bhatia Iϕ, Wu EX, Qiu D, Khong PL. Comparing diffusion-weighted and T2-weighted MR imaging for the quantification of infarct size in a neonatal rat hypoxic-ischemic model at 24h post-injury. Int J Dev Neurosci. 2007, 25: 1-5.
39. A 3D collagen microsphere culture system for GDNF-secreting HEK293 cells with enhanced protein productivity. Wong HL, Wang MX, Cheung PT, Yao KM, Chan BP. Biomaterials. 2007, 28: 5369-80.
40. Manganese-enhanced MRI detection of neurodegeneration in neonatal hypoxic-ischemic cerebral injury. Yang J, Khong PL, Wang Y, Chu AC, Ho SL, Cheung PT and Wu EX. Magnetic Resonance in Medicine. 2008, 59:1329-39.
41. Characterization of white matter injury in a hypoxic-ischemic neonatal rat model by diffusion tensor MRI. Wang S, Wu EX, Tam CN, Lau HF, Cheung PT, Khong PL. Stroke. 2008, 39: 2348-5
42. Proteomic analysis of neonatal mouse brain: evidence for hypoxia- and ischemia-induced dephosphorylation of collapsin response mediator proteins. Zhou Y. Bhatia I, Cai Z, He QY, Cheung PT, Chiu JF. Journal of Proteome Research. 2008, 7: 2507-15.
43. Drug carrier systems based on collagen-alginate composite structures for improving the performance of GDNF-secreting HEK293 cells. Lee M, Lo AC, Cheung PT, Wong D, Chan BP. Biomaterials. 2009, 30:1214-21.
44. Late measures of microstructural alterations in severe neonatal hypoxic-ischemic encephalopathy by MR diffusion tensor imaging. Chan KC, Khong PL, Lau HF, Cheung PT, Wu EX. International Journal of Developmental Neuroscience. 2009, 27:607-15.
45. Mild hypoxic-ischemic injury in the neonatal rat brain: longitudinal evaluation of white matter using diffusion tensor MR imaging. Wang S, Wu EX, Cai K, Lau HF, Cheung PT, Khong PL. American Journal of Neuroradiology. 2009, 30: 1907-13.
46. Management of massive osteolysis of the mandible. Tong AC. Leung TM. Cheung PT. Oral Surgery Oral Medicine Oral Pathology Oral Radiology & Endodontics. 2010, 109:238-41.
47. Chan AO, But BW, Lee CY, Lam YY, Ng KL, Tung JY, Kwan EY, Chan YK, Tsui TK, Lam AL, Tse WY, Cheung PT, Shek CC. Diagnosis of 5α-reductase 2 deficiency: is measurement of dihydrotestosterone essential? Clin Chem. 2013, 59:798-806.

48. Hui E, Yeung MC, Cheung PT, Kwan E, Low L, Tan KC, Lam KS, Chan AO. The clinical significance of aldosterone synthase deficiency: report of a novel mutation in the CYP11B2 gene. BMC Endocr Disord. 2014, 14:29.
49. Li HW, Lam KS, Tam S, Lee VC, Yeung TW, Cheung PT, Yeung WS, Ho PC, Ng EH. Screening for dysglycaemia by oral glucose tolerance test should be recommended in all women with polycystic ovary syndrome. Hum Reprod. 2015, 30:2178-83.
50. Xie L, Man E, Cheung PT, Cheung YF. Myocardial Integrated Backscatter in Obese Adolescents: Associations with Measures of Adiposity and Left Ventricular Deformation. PLoS One. 2015, 10:e0141149.
51. Brown RJ, Araujo-Vilar D, Cheung PT, Dunger D, Garg A, Jack M, Mungai L, Oral EA, Patni N, Rother KI, von Schnurbein J, Sorkina E, Stanley T, Vigouroux C, Wabitsch M, Williams R, Yorifuji T. The Diagnosis and Management of Lipodystrophy Syndromes: A Multi-Society Practice Guideline. J Clin Endocrinol Metab. 2016, 101:4500-4511
52. Man E, Cheung PT, Cheung YF. Associations between arterial structure and function and serum levels of liver enzymes in obese adolescents. J Paediatr Child Health. 2017, 53:691-697.
53. See WQ, Tung JY, Cheuk DK, Hwang YY, Ip JK, Cheung PT, Chan GC, Ha SY. Endocrine complications in patients with transfusion-dependent thalassaemia after haemopoietic stem cell transplantation. Bone Marrow Transplant. 2018, 53: 356-360.