Professor Paul K.H. Tam

Vice-Chancellor's Office, The University of Hong Kong
Telephone: (852) 2857 8213(office)/2255 4850(appointment) ; Fax: (852) 2559 9312,
Email: paultam@hkucc.hku.hk

Qualifications: MBBS(HK), ChM(Liverpool)
FRCS(England, Edinburgh, Glasgow, Ireland), FACS, FHKAM, FRCPCH(UK)

Present position: Pro-Vice-Chancellor and Vice-President (Research);
Chair of Paediatric Surgery, The University of Hong Kong

Selected past clinical/academic positions held:

Medical Officer, Queen Mary Hospital, Hong Kong	1977-1983
Commonwealth Fellow, Royal Liverpool Children's Hospital Alder Hey	1983-1984
Lecturer in Paediatric Surgery, The University of Hong Kong	1985-1986
Senior Lecturer in Paediatric Surgery, University of Liverpool	1987-1990
Reader and Clinical Director in Paediatric Surgery, University of Oxford	1990-1996
Nuffield Senior Research Fellow, Lincoln College, Oxford	1990-1996

Other Experience and Professional Memberships:
Associate Editor, Journal of Pediatric Surgery, 2009-present
Member of Editorial Board, Pediatric Surgery International, 1997-present
Member, RGC Biology and Medicine Panel, University Grants Committee, Hong Kong, 2000-2005
Member of Executive Committee, World Federation of Association of Pediatric Surgeons, 2004-present
Quandom Fellow, Lincoln College, University of Oxford, U.K.,1996-present
President, Pacific Association of Pediatric Surgeons, 2008-2009

Selected recent awards and invited lectures :
- State-of-the-art lecture, 44th Annual Meeting of Japanese Society of Pediatric Surgeons, 2007
- The 7th Lawrence G. Crowley Distinguished Lecturer, Departments of Surgery and Pediatrics, Stanford School of Medicine, Stanford University Medical Centre, 2007
- Journal of Pediatric Surgery Lecture, 54th Annual International Congress of British Association of Paediatric Surgeons, 2007
- Suruga Lecture, 22nd Congress of the Asian Association of Paediatric Surgeons, 2010
- Listed as top 1% scientist in Essential Science Indicators, 2009
- "China Outstanding Leadership Award in Endoscopy", Evaluation Committee of Endos Award in Medical Science & Technology, supervised by National Office for Science & Technology Award 2009

Research interest:
Genetics and developmental biology of Hirschsprung's disease and other birth defects; Genomics of childhood tumours; Immunology and inflammation; Minimal invasive surgery; Biliary atresia, choledochal cyst.

Research grants awards: A total of HK$84.3 millions' grants obtained, of which HK$75.8 millions were acquired in the past 7 years. For past 8 years, awarded 14 RGC grants (6 as PI, 13 as Co-I).

THESIS

Tam PKH
Aspects of Peptidergic Innervation of Human Gut: Normal distribution of substance P in the developing child and changes in infantile hypertrophic pyloric stenosis and Hirschsprung's Disease.
Ch.M Thesis, University of Liverpool, 1984.

BOOKS

1. Necrotising Enterocolitis in Newborn. (Eds) Wilkinson A, Tam PKH, in series: Seminars in Neonatology, W.B. Saunders, ISSN 1084-2756, Volume 2, 1997.

CHAPTERS IN BOOKS

1. Tam PKH. Inguinal hernia. In: Neonatal Surgery, 3rd Edition, (Eds) Lister J, Irving I, Butterworths, London 1990; 367-375.

2. Lister J, Tam PKH. Neonatal necrotising enterocolitis. In: Neonatal Surgery, 3rd Edition, (Eds) Lister J, Irving I, Butterworths, London 1990; 485-498.

3. Lister J, Tam PKH. Meconium and bacterial peritonitis. In: Neonatal Surgery, 3rd Edition, (Eds) Lister J, Irving I, Butterworths, London 1990; 499-510.

4. Lister J, Tam PKH. Hirschsprung's disease. In: Neonatal Surgery, 3rd Edition, (Eds) Lister J, Irving I, Butterworths, London 1990; 523-546.

5. Cudmore RE, Tam PKH. Hydrocephalus. In: Neonatal Surgery, 3rd Edition, (Eds) Lister J, Irving I, Butterworths, London 1990; 589-613.

6. Tam PKH. Stomach and gastric outlet. In: Surgery of the Newborn, 1st Edition, (Eds) Freeman NV, Burge DM, Griffiths M, Malone PS,
Churchill Livingstone, London 1994; 85-106.

7. Tam PKH. Paediatric solid tumours. In: Oxford Textbook of Surgery, (Eds) Morris PJ, Malt RA, Oxford University Press, Oxford 1994; 2087-2095

8. Gordon AC, Tam PKH. The abdominal wall. In: Oxford Textbook of Surgery, (Eds) Morris PJ, Malt RA, Oxford University Press, Oxford 1994; 2062-2064.

9. Tam PKH. Necrotising enterocolitis: Surgical Management. In: Seminars in Neonatology. (Eds) Wilkinson A, Tam PKH: Seminars in Neonatology, Vol. 2 Issue 4, 1997; 297-305.

10. Tam PKH. Infantile hypertrophic pyloric stenosis. In: A Textbook of Paediatric surgery, (Eds) Atwell J, Arnold, London Chapter 36, 1998; 344-355.

11. Tam PKH. Paediatric Surgery. In: Fundamentals of Surgical Practice. (Eds) Majid AA, Kingsnorth A, Greenwich Medical Media, London 1998; Chapter 21, 541-572.

12. Martucciello G, Tam P. RET protein in human fetal development and in Hirschsprung's Disease. In: Hirchsprung's Disease and Allied Disorders, (Eds) Holschneider A, Puri P, Harwood Academic Publishers, Reading, U.K 2000; Chapter 6, 81-88

13. Tam PKH. The abdominal wall. In: Oxford Textbook of Surgery, 2nd edition, (Eds) Morris PJ, Wood WC, Oxford University Press, U.K. 2000; Chapter 42.8, 2675-2680.

14. Tam PKH, Lin SCL. Paediatric Trauma. In: Advanced Surgical Practice, (Eds) Majid A, Kingsnorth A, Greenwich Medical Media, London, U.K. 2003; Chapter 50, 795-806.

15. Tam PKH, Lin SCL. Paediatric Tumours. In: Advanced Surgical Practice, (Eds) Majid A, Kingsnorth A, Greenwich Medical Media, London, U.K. 2003; Chapter 51, 807-820.

16. Tam PKH, Leung GKK. Spinal Dysraphism. In: Advanced Surgical Practice, (Eds) Majid A, Kingsnorth A, Greenwich Medical Media, London, U.K. 2003; Chapter 52, 821-827.

17. Tam PKH. Achalasia. In: Pediatric Surgery, (Eds) Puri P, Hollwarth M, Springer Surgery Atlas Series, Ireland 2005; Chapter 7, 61-66

18. Tam PKH, Wong KKY. Instruments used in rigid and flexible endoscopy, In: Operative Endoscopy and Endoscopic Surgery in Infants and Children, (Eds)Najmaldin A, Rothenberg S, Crabbe D & Beasley S, Hodder Arnold (Publishers), London, U.K. 2005; 23-29.

19. Tam PKH, Wong KKY. Infantile hypertrophic pyloric stenosis. In: Paediatric Surgery, (Eds) Burge DM, Griffiths MD, Steinbrecher HA, Wheeler RA, Hodder Arnold (Publishers), London, U.K. 2005; 1844-1847.

20. Xu R, Ma H, Li H, Sham MH, Li ETS, Tam P, Lam KSL. In:Trends in Gene Therapy Research, (Ed) Redberry GW, Nova Science Publishers, Inc. (Publisher), New York, U.S.A. 2005; 191-221

21. Tam PKH. Paediatric Surgery. In: Fundamentals of Surgical Practice, (Eds) Kingsnorth A, Majid A, 2nd edition, Cambridge (Publishers), Cambridge, U.K. 2006; 493-523

22. Tam PKH, Jacobsen AS, Liem NT. Hong Kong, Singapore and Vietnam. In: A History of Surgical Paedaitrics, (Eds) Carachi R, Young DG, Buyukunal C, World Scientific Publishing Co. Pte. Ltd. 2009 May; pp. 213-223.

23. Tam PKH, Wong KKY. Achalasia. In: Pediatric Surgery: Diagnosis and Management, (Eds) Puri P, Hollwarth M, Springer-Verlag Berlin Heidelberg 2009; 345-352.

24. Tam PKH. Paediatric Surgery. In: Fundamentals of Surgical Practice, (Eds) Kingsnorth A, Bowley D, Cambridge University Press, 3rd Edition (In press)

25. Yang D, Sun ZN, Peng T, Wang HL, Shen JG, Chen Y, Tam PKH. Synthetic fluorescent probes for imaging of peroxynitrite and hypochlorous acid in living cells. In: Live Cell Imaging: Methods and Protocols (Special volume of Methods in Cell Biology series), Humana Press, Chapter 5 (In press)

26. Tam PKH, Garcia-Barcelo MM. Molecular genetics of Hirschsprung's disease. In: Pediatric Surgery – Diagnosis and Management (sponsored by Indian Association of Pediatric Surgeons). Famous Exclusive Medical Jaypee Bros, New Delhi. (In press)

27. Tam PKH. Omphalomesenteric duct remnants. In: Newborn Surgery Book, (Ed) Puri P, 3rd Edition, Hodder Arnold (In preparation)

ORIGINAL ARTICLES IN INTERNATIONAL JOURNALS : (27 chapters in international textbooks and 290 original articles in international journals. Listed as top 1% scientists by ISI. Total citations = 6855; h-index = 26)

1. Tam PKH, Lau JTK, Saing H, Ong GB
Acute appendicitis in children in Hong Kong.
South East Asian Journal of Surgery 1982; 5(2):41-51.

2. Tam PKH, Stroebel AB, Saing H, Lau JTK, Ong GB
Caseating regional lymphadenitis complicating BCG vaccination: a report of 6 cases.
Archives of Disease in Childhood 1982; 57(12):952-954.

3. Lau JTK, Saing H, Tam PKH, Ong GB
Interposing fascial pedicle flap for the repair of urethral fistulae after hypospadias surgery.
Plastic and Reconstructive Surgery 1982; 70(2):206-208.

4. Tam PKH, Saing H, Lau TJK
Three successfully treated cases of nonamoebic liver abscess.
Archives of Disease in Childhood 1983; 58(10):828-829.

5. Tam PKH, Lister J
Femoral hernia in children.
Archives of Surgery 1984; 119:1161-1164.

6. Tam PKH, Lister J
Elevation of cerebrospinal fluid substance P concentrations in spina bifida.
Z Kinderchirurgie 1984;39: Supplement II:89-90.

7. Tam PKH, Saing H, Irving IM, Lister J
Acute pancreatitis in children.
Journal of Pediatric Surgery 1985; 20(1):58-60.

8. Tam PKH, Saing H, Koo J, Wong J, Ong GB
Pyloric function five to eleven years after Ramstedt's pyloromyotomy.
Journal of Pediatric Surgery 1985;20(3):236-239.

9. Tam PKH, Dockray GJ, Lister J
Substance P concentrations in human cerebrospinal fluid vary inversely with age.
Neuroscience Letters 1985; 54:327-332.

10. Tam PKH
Observations and perspectives of the pathology and possible aetiology of infantile hypertrophic pyloric stenosis (IHPS) - a histological, biochemical, histochemical and immunocytochemical study.
Annals Academy of Medicine, Singapore 1985; 14(3):523-529.

11. Saing H, Tam PKH, Lee JMH, Pe-Nynn
Surgical management of choledochal cysts: a review of 60 cases.
Journal of Pediatric Surgery 1985; 20(4):443-448.

12. Tam PKH
An immunohistochemical study with neuron-specific enolase and substance P of human enteric innervation - the normal developmental pattern and abnormal deviations in Hirschsprung's Disease and infantile hypertrophic pyloric stenosis.
Journal of Pediatric Surgery 1986; 21(3):227-232.

13. Tam PKH, Saing H, Lau JTK
Diagnosis of peptic ulcer in children - the past and present.
Journal of Pediatric Surgery 1986; 21(1):15-16.

14. Tam PKH, Saing H
Gastric acid secretion and emptying rates in children with duodenal ulcer.
Journal of Pediatric Surgery 1986; 21(2):129-131.

15. Tam PKH, Saing H, Lee JMH
Colonoscopy in the diagnosis of abdominal tuberculosis in children.
Australian Paediatric Journal 1986; 22:143-144.

16. Tam PKH, Lister J
Maldevelopment of spinal cord substance P in spina bifida.
Z Kinderchirurgie 1986; 41:206-208.

17. Tam PKH, Lister J
Development profile of neuron-specific-enolase in human gut and its implications in Hirschsprung's Disease.
Gastroenterology 1986; 90:1901-1906.

18. Saing H, Lee JMH, Tam PKH
The use of disposable intraluminal stapler in the definitive management of Hirschsprung's Disease.
Disease of Colon and Rectum 1986; 29(3):211-213.

19. Lee JMH, Tam PKH, Saing H
Whole-gut irrigation in infants and young children.
Disease of Colon and Rectum 1986; 29(4):252-254.

20. Woo SJK, Li DFH, Wan MCW, Ghosh A, Tam PKH, Saing H
Intrauterine cystocentesis. A simple procedure to relieve anatomic and physiologic dysfunction in the fetus.
The Journal of Clinical Ultrasound 1986; 14: 474-477.

21. Tam PKH, Lister J
Immunohistochemical localisation of neuron-specific-enolase in Hirschsprung's Disease.
Proceedings of 8th Congress of Asian Association of Paediatric Surgeons, Calcutta, India, February 1986; p19-21.

22. Saing H, Tam PKH
Biliary Atresia - The Hong Kong Experience
Proceedings of the 4th International Symposium on biliary atresia, Sendai, Japan, November 1986. Biliary Atresia Ed R Ohi, Tokyo: Professional Postgraduate Services p 141-144.

23. Tam PKH, Chan FL, Saing H
Direct sagittal CT scan - a new diagnostic approach for surgical neonates.
Journal of Pediatric Surgery 1987; 22(5):397-400.

24. Tam PKH, Saing H
Paediatric surgeons can and should perform colonoscopy.
Journal of Pediatric Surgery 1987; 22(4):332-334.

25. Tam PKH, Chan FL, Saing H
Diagnosis and evaluation of oesphageal atresia by direct sagittal CT.
Pediatric Radiology 1987; 17:68-70.

26. Saing H, Mok CK, Tam PKH, Wong J
Problems in the surgery of conjoined twins.
Surgical Rounds 1987; 10(2):81-95.

27. Saing H, Mok CK, Lau JTK, Tam PKH
A method of repair of thoracic cage defects after separation of thoracoomphalopagus twins.
Pediatric Surgery International 1987; 2:113-116.

28. Saing H, Tam PKH, Lau JTK, Wong J
Advanced necrotising enterocolitis - an indication for emergency separation of omphalopagus conjoined twins.
Australian Paediatric Journal 1987; 23:129-130.

29. Tam PKH
Serum pepsinogen I in childhood duodenal ulcer.
Journal of Pediatric Gastroenterology and Nutrition 1987; 6:904-907.

30. Chan FL, Cheng CS, Tam PKH, Saing H
Sacrococcygeal teratoma: computed tomography evaluation.
Journal of Computed Tomography 1987; 11:200-204.

31. Tam PKH, Tsang TM, Saing H.
Inguinal hernia in Chinese children.
Australian and New Zealand Journal of Surgery 1988; 58:403-406.

32. Tam PKH
Hypergastrinemia in children with duodenal ulcer.
Journal of Pediatric Surgery 1988; 23(4):331-334.

33. Angeleri EMT, Tam PKH, Cudmore RE.
Hirschsrung's Disease and congenital deafness.
In: Le Urgeneze in eta Pediatrica, Firenze 1988. Eds. Pampaloni A, Menci R: Monduzi Editore, Bologna 1027-1029.

34. Tam PKH
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Z Kinderchirugie 1988; 43(suppl 1):60-61.

35. Saing H, Tam PKH, Choi TK, Wong J
Childhood recurrent pyogenic cholangitis.
Journal of Pediatric Surgery 1988; 23(5):424-429.

36. Tam PKH, Saing H
The use of H_2-receptor antagonist in the treatment of peptic ulcer disease in children.
Journal of Pediatric Gastroenterology and Nutrition 1989; 8:41-46.

37. Tam PKH
Stapled colostomy in infants.
Pediatric Surgery International 1989; 4:363-364.

38. Tam PKH, Wei W
Myocutaneous sartorious flap for major congenital abdominal wall defects - a necropsy study.
Pediatric Surgery International 1989; 4:143-146.

39. Tam PKH, Saing H
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Journal of Pediatric Surgery 1989; 24(5):443-447.

40. Tam PKH, Carty H
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Lancet 1989 ii: 393.

41. Tam PKH, Boyd GP
Origin, course and endings of abnormal enteric nerve fibres in Hirschsprung's Disease defined by whole-mount immunohistochemistry.
Journal of Pediatric Surgery 1990; 25(4):457-461.

42. Leonard EM, van Saene HKF, Shears P, Walker J, Tam PKH
Pathogenesis of colonization and infection in neonatal surgical unit.
Critical Care Medicine 1990; 18(3):264-269.

43. Leonard EM, van Saene HKF, Stoutenbeek CP, Walker J, Tam PKH
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Microbial Ecology in Health and Disease 1990; 3:151-157.

44. Vaillant C, Scholes S, Tam PKH
Studies on neurone-specific antigens and neuropeptides in equine intestinal disease.
Digestion 1990; 46(S1):116-117.

45. Tam PKH, Parikh DH, Rickwood AMK
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British Journal of Urology 1990; 66:551-552.

46. Tam PKH
An immunohistochemical study of the human enteric nervous system with Microtubule-associated Proteins.
Gastroenterology 1990; 99:1841-1844.

47. Shanbhogue LKR, Tam PKH, Ninan G, Lloyd DA
Preoperative stabilisation in congenital diaphragmatic hernia.
Archives of Diseases in Childhood 1990; 65:1043-1044.

48. Parikh DH, Tam PKH, Cudmore RE, Carty H
Posterior fossa problems in hydrocephalic children treated with shunts.
Pediatric Surgery International 1991; 6:19-21.

49. Parikh D, Tam PKH
Results of fundoplication in a British Paediatric Centre.
British Journal of Surgery 1991; 78(3):346-348.

50. Tam PKH, Boyd GP
New insights into peptidergic abnormalities in Hirschsprung's Disease by whole-mount immunohistochemistry.
Journal of Pediatric Surgery 1991; 26(5):595-597.

51. Tam PKH, Chan J
Increasing incidence of hypertrophic pyloric stenosis.
Archives of Disease in Childhood 1991; 66:530-531.

52. Tam PKH, Sprigg A, Cudmore RE, Carty H, Cook RCM
Endoscopy-guided balloon dilatation of esophageal strictures and anastomotic strictures after esophageal replacement in children.
Journal of Pediatric Surgery 1991; 26(9):1101-3.

53. Tam PKH, Carty H
Endoscopy-guided balloon dilatation for infantile hypertrophic pyloric stenosis.
Pediatric Surgery International 1991; 6:306-308.

54. Shanbhogue LKR, Tam PKH, Lloyd DA
Necrotising enterocolitis following operation in the neonatal period.
British Journal of Surgery 1991; 78(9):1045-7.

55. Parikh DH, Tam PKH, van Velzen D, Edgar D.
Abnormalities in the distribution of laminin and collagen type IV in Hirschsprung's Disease.
Gastroenterology 1992; 102:1236-1241.

56. Tsang TM, Tam PKH, Saing H
Antibiotic prophylaxis in acute non-perforated appendicitis in children: single dose of metronidazole and gentamicin.
Journal of Royal College of Surgeons of Edinburgh 1992; 37:110-112.

57. Parikh DH, Tam PKH, Lloyd DA, van Velzen D, Edgar DH
Quantitative and qualitative analysis of the extracellular matrix protein, laminin in Hirschsprung's disease.
Journal of Pediatric Surgery. 1992; 27(8):991-996.

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Pediatric Pathology. 1992;12: 807-810.

59. Saing H, Tsang TM, Tam PKH, Yeung CK, Mya GH
A prospective randomized trial comparing cefoperazone versus ampicillin-gentamicin-metronidazole in the empirical treatment of postoperative cholangitis in biliary atresia.
Proceedings of the 5th International Sendai Symposium on Biliary Atresia, Sendai. May 28-29, 1991.
Professional Postgraduate Series p.177-181.

60. Tsang TM, Tam PKH, Saing H
Delayed primary wound closure using skin tapes for advanced appendicitis in children: a prospective, controlled study.
Archives of Surgery 1992; 127: 451-453.

61. Tam PKH
An immunohistochemical study of neuronal microtubule-associated proteins in Hirschsprung's disease.
Human Pathology 1993; 24(4):424-431.

62. Tam PKH
Paediatric gut endoscopy.
Current Paediatrics 1993; 3:62-66.

63. Chung E, Coffey R, Parker K, Tam PKH, Pembrey ME, Gardiner RM.
Linkage analysis of infantile pyloric stenosis and markers from chromosome 9 q 11-q 33: no evidence for a major gene in this candidate region.
Journal of Medical Genetics 1993; 30:393-395.

64. Parikh DH, Tam PKH, van Velzen D, Edgar D.
The extracellular matrix components, tenascin and fibronectin in Hirschsprung's disease: an immunohistochemical study.
Journal of Pediatric Surgery 1994; 29(10):1302-1306.

65. O'Kelly TJ, Davies JR, Tam PKH, Brading AF, Mortensen NJMcM
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Journal of Pediatric Surgery 1994; 29(2):294-300.

66. Tsang TM, Tam PKH
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Journal of Pediatric Surgery 1994; 29(6):794-797.

67. Tsang TM, Tam PKH, Chamberlain P
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Journal of Pediatric Surgery 1994; 29(12):1582-1583.

68. Fewtrell MS, Tam PKH, Thomson AH, Fitchett M, Currie J, Huson SM, Mulligan LM
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69. Tsang TM, Tam PKH
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Pediatric Surgery International 1994; 9:401-402.

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Meconium ileus due to extensive intestinal aganglionosis.
Journal of Pediatric Surgery 1994; 29(4):501-503.

71. McHugh K, Thomson A, Tam PKH
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72. Tsang TM, Moore N, Dudley N, Tam PKH
The place of magnetic resonance imaging in a U.K. Paediatric Surgical Centre.
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73. Tsang TM, Tam PKH, Dudley NE, Stevens J
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Anterior flap repair of oesophageal atresia: a 16 year evaluation.
Pediatric Surgery International 1995; 10:525-528.

75. Nicholls G, Brandt C, Tam PKH
Nitric oxide producing neurons remain intact after small bowel transplantation
Journal of Pediatric Surgery 1995; 30(10):1440-1442.

76. McHugh K, Dudley NE, Tam PKH
Pre-operative MRI of anorectal anomalies in the newborn period.
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Measurement of gap length in esophageal atresia: a simple predictor of outcome.
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Nitrergic innervation of the human gut during early fetal development.
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Tam P, Simeoni J, Flori E, Nihoul-Fekete C, Munnich A, Lyonnet S.
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Densities of nitric oxide synthesizing nerves in smooth muscles of human gut during fetal development.
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Journal of Pediatric Surgery 1997; 32(11):1609-1611.

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Early and late results of excision of choledochal cysts.
Journal of Pediatric Surgery 1997; 32(11):1563-1566.

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longterm results.
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100. Tam PKH, Guo WH
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Journal of Pediatric Surgery 1999; 34:1336-1338.

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