

CURRICULUM VITAE

NAME: PATHMANATHAN s/o Rajadurai
AGE: 55 years
SEX: Male
DATE OF BIRTH : 13th August 1953
PLACE OF BIRTH: Kelang, Selangor, Malaysia
NATIONALITY: Malaysian
ETHNIC ORIGIN : Malaysian Ceylonese
MARITAL STATUS : Married with two children



PRESENT APPOINTMENT from 1998 - present:

1. Senior Consultant Pathologist, Subang Jaya Medical Centre, Subang Jaya
2. Director of Pathology Laboratory Services (Anatomical Pathology and Cytogenetics)

OTHER UNIVERSITY APPOINTMENTS

1. Visiting Professor, Monash Malaysia School of Medicine (2008)
2. Adjunct Professor, Melaka Manipal Medical College (Manipal Campus) June 2008-

SUBANG JAYA MEDICAL CENTRE POSITIONS HELD till 2004:

1. Chairman, Medical Advisory Board, Subang Jaya Medical Centre
2. Chairman, Quality Assurance Committee, Subang Jaya Medical Centre
3. Member, Patient Economics Committee. Subang Jaya Medical Centre

IMMEDIATE PREVIOUS APPOINTMENT:

1. Deputy Dean Postgraduate Studies, Faculty of Medicine, University of Malaya, Kuala Lumpur. (July 1992 - March 1998)

PREVIOUS PAST APPOINTMENTS:

1. Deputy Dean (Postgraduate Affairs), Faculty of Medicine, University of Malaya, Kuala Lumpur
2. Deputy Director (Postgraduate Affairs), University of Malaya Medical Centre
3. Head (Director), Biomedical Communications Unit, Faculty of Medicine, University of Malaya, Kuala Lumpur
4. Professor, Department of Pathology, Faculty of Medicine, University of Malaya, Kuala Lumpur
5. Senior Consultant Histopathologist, Department of Pathology, University Hospital, Kuala Lumpur .

6. Head, Telemedicine Programme, University of Malaya Medical Centre

OTHER APPOINTMENTS IN UNIVERSITY OF MALAYA MEDICAL CENTRE

7. Acting Dean, Faculty of Medicine, University of Malaya (from time to time)
8. Acting Director , University Hospital, Kuala Lumpur (from time to time)

INTERNATIONAL APPOINTMENTS:

1. Consultant Pathologist, Regensburg Regional Tumour Centre (Tumorzentrum Regensburg), Department of Pathology, Federal Republic of Germany (1992 -1997)
2. Consultant Pathologist, Institute of Cancer and Tumour Virologie, Max von Pettenkofer Institute, Federal Republic of Germany.(1992-1994)
3. Visiting Research Fellow, Lineberger Cancer Research Centre, School of Medicine, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, USA.
4. Examiner, Royal Australasian College of Pathologists (1995 -1999)
5. External Examiner, Manipal Academy of Higher Education (Aug 1999- February 2001)

NATIONAL APPOINTMENTS

1. Member, Steering Committee to study Pathology Laboratories Bill, 1992- present
2. Member, Jawatankuasa Penyelarasan Kursus Ijazah Lanjutan Perubatan Universiti Tempatan [National Committee for Postgraduate Training in Medicine] (1992-)
3. Chairman, National Selection Committee for Postgraduate Training in National Universities [1993 / 94; 94/95; 95/96.]
4. Member, Lembaga Akreditasi Negara {National Credentialing Board} (1998)
5. Member, Credentialing Committee for Specialist Register in Anatomic Pathology and Cytopathology (2005- present)

INTER-UNIVERSITY APPOINTMENT

1. Part-time visiting Professor, University Kebangsaan, Kuala Lumpur. (1992 -)
2. External Assessor in Pathology, University Kebangsaan, Kuala Lumpur (1993-)
3. Visiting Professor, International Medical College, Kuala Lumpur (1997 -)
4. External Examiner, Universiti Sains, Malaysia (1998)
5. External Examiner, University Kebangsaan Malaysia (May 2000; May 2003)
6. External Examiner, University of Malaya (August 2003)
7. External Examiner, Master of Medical Science (Pathology) University of Malaya Faculty of Medicine, May 2005
8. External Examiner, Manipal Academy of Higher Education (August 2003 - present)

PROFESSIONAL QUALIFICATIONS:

1. M.B.,B.S. (with distinction in Pathology), (Malaysia). June 1978
2. M.Path (with distinction), (Malaysia). August 1982
3. M.R.C.Path. (United Kingdom). February 1986 . Promoted to Fellowship Jan 1996
4. Fellow, International College of Tropical Pathology (FICTM), USA . 1986
5. Member, Academy of Medicine(Malaysia). October 1987
6. FRACP (Fellow of the Royal Australasian College of Pathologists) 1992
7. MIAC (Member of the International Academy of Cytology) 1992
8. Doctor of Medicine (MD) with distinction 1998
This was the first time in the history of the Faculty and University that an MD has ever been awarded, with distinction.
9. Affiliate member, College of American Pathologists (March 2003- present)
10. FAMM (Fellow of the Academy of Medicine of Malaysia 2003- present)

ACADEMIC DISTINCTION AWARDS RECEIVED :

1. Distinction in Pathology, MBBS, Year II (1975)
External examiner : Professor William St.Clair Symmers, UK.
2. Distinction in Histopathology, M.Path (1982)
External examiner : Professor John Mc Gee, UK.
3. Passed with distinction , MD (1998)
External Examiners: Professor Elliot Kieff (Harvard)
Professor George Miller (Yale)

OTHER AWARDS RECEIVED

1. Recipient of Lee Foundation Travel Grant (1981)
2. Research Fellow, Max von Pettenkofer Institut, (FRG)
& Max Planck Institut, Göttingen, (FRG)
Deutsche Akademischer Austauschdienst Fellowship (1983)
3. Japan Society for Promotion of Science (1988)
Travelling Fellowship; Institute of Medical Research,
University of Tokyo, Tokyo.
4. Visiting Research Fellow , Lineberger Cancer
Research Centre, UNC at Chapel Hill (1989,1992, 1994)
5. NOMINATED BEST LECTURER, YEAR II, DENTAL FACULTY (1991)
6. Listed in MARQUIS " WHO IS WHO" IN THE WORLD, 11th Edition
(1993/94)
7. Listed in Cambridge " Men of Distinction" (1994)
8. Listed "Man of the Year", American Biographical Institute (1994)

EDUCATION

A. SCHOOLS

1. St.Thomas' Primary School, Kuantan, Pahang (1959 - 1965)

2. St.Thomas' Secondary School, Kuantan, Pahang (1966-1968)
3. Victoria Institution, Kuala Lumpur, Selangor (1969-1972)

B. UNIVERSITY

1. University of Malaya, Faculty of Medicine. (1973-1978)
2. University of Malaya, Faculty of Medicine. (1980-1982)

PROFESSIONAL REGISTRATION:

1. Malaysian Medical Council , since May 1979. License No: 22854
2. General Medical Council (UK) since 1980. License No: 2672197
3. National Specialist Register
Dual registration
 - i. General Pathology
 - ii. Anatomical Pathology and Cytopathology

PREVIOUS APPOINTMENTS (in chronological order):

1. **INTERNSHIP:** June 1978 - June 1979
I worked and received training in the disciplines of Internal Medicine (Professor Wong Hee Ong), General Surgery (Professor K Somasundram) and Orthopaedic Surgery (Professor P. Balasubramaniam)
2. **MEDICAL OFFICER:** June 1979 - December 1982
I (COMPULSORY SERVICE) - MINISTRY OF HEALTH
 - i. Medical Officer, Internal Medicine, Queen Elizabeth Hospital , Kota Kinabalu Sabah. (400 bed Hospital, 60 bed unit) 4 months
 - ii. Medical Officer, Flying Doctor Medical Service Sabah 1 month
The Flying Doctor Service is a special Health Service funded by the Sabah Foundation and caters for the health care of remote hill- tribes and rural villagers far removed from civilisation .
 - iii. Chief Medical and Health Officer, Keningau District Hospital (80 bed), Kawasan Pendalaman Sabah, with coverage of medical and health requirements of a population of 50,000 persons.(3 months)
 - iv. Chief Medical and Health Officer, Keningau District Hospital serving a population of 85,000 people (16 weeks)

II MEDICAL OFFICER IN UNIVERSITY HOSPITAL

(December 1979- December 1982)

I served as medical officer in the Department of Pathology while simultaneously undergoing training Pathology .

During this time, my service duties were :

in the various Departmental Units through which I underwent rotation as part of the posting - Histopathology / Morbid Anatomy; Haematology; Blood Banking/Immunology; Chemical Pathology; I also underwent training in Medical

Microbiology and Parasitology

During this time I was also involved in teaching and training of students (both Medical and Dental) Nursing Staff and Medical Laboratory Technologists.

Additionally, during and subsequent to my period of training as a medical officer, I underwent specialised training in various aspects of Histopathology under Professors R.A.B.Drury (Plymouth) Roderick Mc Sween (Glasgow), M.R.Davies (London), Allan Ng (Sydney), Derek Wright (Southampton) .

3. Lecturer, Department of Pathology, Faculty of Medicine, University of Malaya, and Clinical Specialist in Histopathology, University Hospital. (December 1982 - May 1987)

During this period, I involved myself in several research projects, individually and in collaboration with others. My main areas of research were on the pathogenesis of viral and parasitic diseases, oncology and aspects of hepatocellular injury. I also served as Pathologist to the University Hospital and provided service in surgical pathology, rapid frozen section diagnosis, performance of clinical and medico legal autopsies and cytopathology. I was responsible for the running of the autopsy services, laboratory safety measures and helped organize regular joint clinico-pathological conferences with Surgeons, Gynaecologists and Physicians. I also taught students both undergraduate and postgraduate. I passed the Final Membership Examinations (Histopathology) of the Royal College of Pathologists, (United Kingdom) on the first attempt and was admitted to Membership in 1986.

4. Associate Professor, Department of Pathology, Faculty of Medicine, University of Malaya and Consultant Histopathologist, University Hospital (21.5.87 to date)
5. Head (Director), Department of Pathology, University Hospital, Kuala Lumpur.
In July 1991, I was appointed to take administrative charge of the anatomical Pathology, Haematology, Chemical Pathology and Immunology laboratories and the Blood Bank and Mortuary of the University Hospital. I also administer and coordinate the Academic functions of the Department such as Undergraduate and Postgraduate Teaching Programmes, Examinations and Research.
6. Deputy Dean (Postgraduate Affairs), Faculty of Medicine, University of Malaya.

In April 1992, I was appointed to take administrative charge of all Postgraduate Affairs for the Faculty of Medicine, a Faculty comprising of 21 Departments, with Postgraduate programmes leading to a Master's degrees, as well as MDs, PhDs. In addition, I am made responsible for the coordination of postgraduate programmes conducted in conjunction/ cooperation with the Royal Colleges of the United Kingdom and Australasia.

7. Awarded a personal Professor chair in 1992 after 5 years as an Associate Professor. At the time of promotion I was the youngest Professor in the Faculty and University to be given a personal Chair.

8. As part of my administrative duties, I developed the Biomedical Communications Centre (Medical Illustration and Central Museum) for the Faculty of Medicine and the affiliated Medical Centre.

In addition, in 1996, I designed, planned and commissioned the networking infrastructure for the Faculty of Medicine, which even today is state-of-the-art, and is the finest medical network in the country. I also developed the telemedicine programme to maturity at the Centre, and am now involved in developing CME on electronic media and on the Web as a Faculty initiative.

ACADEMIC TEACHING ACTIVITIES from 1980 – present :

Undergraduate

I **Medical students**

International Medical University (1999-2001)

Monash Malaysia Medical School (2007 -)

Year I & Year II medical students (Basic Pathology Lectures)

II. **(Univeristy of Malaya)(1982- 1998)**

Lectures , tutorials and practical sessions

(Stage II)

Special tutorials for slow learners .

(Stage II)

(Bimbingan Khas)

Supervision of Medical students during Autopsy Posting

(Stage III & IV)

Lectures in Forensic Pathology

(Stage III & IV)

Tutoring of Students for Clinico pathological Conferences

(Stage IV)

II. **Dental students (1980-1996):**

Lectures, tutorials and practicals

(Stage II)

Special tutorials for slow learners

(Stage II)

III. **Postgraduate (1982- 1998)**

Master of Pathology, Stage I & II, UM

Master of General Surgery, Dept of Surgery, UM

Master of Orthopaedic Surgery, Dept of Orthopaedic Surgery, UM

Master of Philosophy, Institute of Advanced Studies

IV **Postdoctoral Supervision**

Dr. Shiran bin Mohd Sidek , Senior Lecturer, Uinveristi Putra Malaysia (fr 2005)

Dr. Tan Geok Chin, Lecturer, National University of Malaysia (from 2007)

Dr. Lim Tan It, Lecturer, (National University of Malaysia (from 2007)

V. Medical Laboratory Technologists

Basic and Advanced Certificate Level, Medical Laboratory Technologists, UMMC (up till 1998)

Academy of Biomedical Sciences, Subang Jaya Medical Centre (2005-)

VI. Nurses

(Basic and Postbasic), School of Nursing, University of Malaya Medical Centre (up till 1998)

Academy of Biomedical Sciences, Subang Jaya Medical Centre (2004-)

VII. Radiographers, School of Radiography, University Hospital (1982-1990).

VIII Bachelor of Biomedical Sciences Basic Medical Science Course in Pathology (1990)

ACTIVITIES:

(A) UNIVERSITY of MALAYA (up to 1998)

1. Member, University Senate
2. Member, Board of Institute of Advanced Studies, University of Malaya
3. Member, University Computer Technical Advisory Committee
4. Member, Accreditation Committee for Medical and Dental Specialist Degrees, University of Malaya

(B) FACULTY of MEDICINE , UM (Up to 1998)

1. Internal Examiner in Histopathology and Member of Board of Examiners, Master of Pathology Examination, University of Malaya.
2. Internal examiner in Pathology, Master of Surgery, Orthopaedic Surgery Course, University of Malaya.
Internal Examiner in Pathology, Master of Surgery, Part II (1993)
3. Internal Examiner in Pathology and Member of the Board of Examiners, Second Professional MBBS Examination, Faculty of Medicine, University of Malaya, 1990 - to date.
4. Internal Examiner in Pathology and Member of Board of Examiners, Second Professional BDS Examination, Faculty of Dentistry, University of Malaya, 1990 -to date
5. Internal Examiner for Master of Pathology dissertations
6. Internal Examiner for evaluation of MPhil thesis.
7. Member, Continuing Postgraduate Education Subcommittee (Wednesday Morning Symposia), faculty of Medicine, University of Malaya. 1984 - to date
8. Examiner, Medical laboratory Technology (Certificate and Advanced Level), Faculty of Medicine, University of Malaya, 1984 - to date.
9. Member, Animal Ethics Committee, Faculty of Medicine, UM (1990-); Chairman (1994-1997)
10. Member, Wednesday Hospital Symposia Planning Committee (since 1984)
11. Coordinator, Clinico-pathological Conferences, Faculty of Medicine (1982 - 1998)

12. Convenor, Faculty Curriculum Review Committee on Gastrointestinal and Hepatobiliary System.
13. Chairman, Curriculum Planning Committee for Postgraduate Training in Pathology in the University Medical Centre (1986- Chairman since 1993 till 1998)
14. Member, MAC Ad- Hoc Committee on Laboratory Safety .
15. Member, Medical Advisory Committee, University Hospital
16. Member, Faculty Curriculum Review Committee, (1995- 1998)
17. Editor, Editorial Board, Journal of the University of Malaya Medical Centre (1995)
18. Member, Faculty CME Committee (1995 - 1998)
19. Member, Faculty IRPA [Intensification of Research in Priority Areas] Committee for Medical Sector (1995 - 1998)

C DEPARTMENT (UM):

1. Head, Department of Pathology (July 1991 - March 1992)
2. Chairman, Postgraduate Committee for Master of Pathology Course(1992 -1998)
3. Quality Control Officer, Department of Pathology (1990-1998)

D OUTSIDE THE UNIVERSITY

1. Member, Malaysian Society of Pathologists (1992 -)
2. Council Member, Malaysian Medical Association (Wilayah Branch) (1992 -1997)
3. Member, Panel Member in Working Committee on "Private Pathology Laboratory Accreditation Bill 1992-1996
4. Member, Board of Studies for Masters' of Pathology Course, Universiti Sains 1990

E. EDITORIAL ACTIVITY

1. Appointed to Editorial Board of the Asia-Pacific Journal of Molecular Biology and Biotechnology (1993 - 1996)
2. Member, Editorial Board, Medical Journal of Malaysia (1994-96)
3. Editor, Journal of the University of Malaya Medical Centre (1996- 1998)
4. **Editorial Board, Pathology (2006 -)**

CLINICAL RESPONSIBILITIES (UM/ UMMC)

1. Autopsy Duties for the University Hospital [clinical / medico legal and forensic postmortems]
2. Attendance in court as expert medical witness / consultant pathologist.
3. Reporting of routine surgical biopsies / frozen sections as per roster .
4. Reporting of cytology specimens (including fine-needle aspiration cytology) as per roster
5. Reporting of surgical specimens from East Malaysia - referral head and neck cancers(Sabah, Ministry of Health since 1983).
6. Interdepartmental Clinico pathological conferences with Depts of Surgery, Orthopaedic Surgery, Obstetrics and Gynaecology and General Medicine .
7. Consultancy services for pathologists / clinicians in private sector.

POSTGRADUATE TEACHING (while in UM):

1. Supervision of candidate for Degree of Master of Philosophy :

1. Name of candidate : Prema Evelyn Devaraj
Department : Institut Pengajian Tinggi
(Institute of Advanced Studies)
Title : " The pathology, serology and nucleic acid studies of Malaysian Nasopharyngeal carcinoma"

Awarded 1987.

2. Name of candidate : Ms Permeen Akhtar
Department : Institut Pengajian Tinggi
Title : " A comparison of two methods of in situ hybridisation using biotin labelled and ³H labelled EBV genomic probes "

Awarded June 1993

3. Name of candidate: Ms Chandrika G Menon
Department Dept of Pathology, Faculty of Medicine
Title: "Epstein-Barr virus encoded small RNAs and Epstein-Barr virus protein in cancers of the aerodigestive tract"

Name of Candidate: Dr. Fuzina Abdul Rahman

Department: Institute of Medical Research, Ministry of Health, Kuala Lumpur

Title: "Colon carcinogenesis - implications for a protective effect by various dietary palm oil formulations"

Name of Candidate: Ms Helen Shyamala Fernandez

Department: Dept of Pathology, Faculty of Medicine

Title: "Steroid receptors in breast carcinoma"

Name of candidate: Dr. Nor Azura Mohd Zain

Department: Dept of Pathology, Faculty of Medicine

Title: "An immunohistochemical study of steroid receptor expression in nasopharyngeal angiofibromas"

Name of candidate: Dr. Khoo Joon Joon

Department: Dept of Pathology, Faculty of Medicine

Title: " A critical evaluation of the value of Proliferative Nuclear Antigen as a diagnostic and prognostic determinant in borderline and malignant neoplasms of the ovary "

2. Supervision of candidate for Degree of Doctor of Philosophy

- (1) Name of candidate: Chandrasekhar
Department : Dept of Parasitology , Faculty of Medicine.
Title : " Schistosomiasis in Malaysia - comparative pathology and patho physiology of the

two strains of Malaysian Schistosomes in comparison with S. mekongi and S. japonicum in mice and other models "

Ph.D awarded July 1986

3. Supervision of students for Degree of Master of Pathology

I have supervised 90 Master of Pathology students, some of whom have also been successfully admitted as Members of the Royal College of Pathologists, UK.

4. Supervision of candidate for degree of Doctor of Medicine

Dr. Robert Patrick Jalleh, Dept of Surgery

" Clinical, histopathological, immunological studies in chronic pancreatitis"

CURRENT RESEARCH INTERESTS :

MAIN RESEARCH ACTIVITY:

1. **Histopathology, serology and nucleic acid studies of Malaysian nasopharyngeal carcinoma and other Head and Neck tumours** .(Joint project with Dept. of Otorhinolaryngology, The Max Von Pettenkofer Institut, Federal Republic of Germany and The Lineberger Cancer Research Centre, University of North Carolina at Chapel Hill)

This work involves the light and ultramicroscopic studies tumours of the head and neck region with particular reference to NPC ; nucleic acid studies not only relate to Southern and Northern blot analysis, but in situ hybridization at mRNA level as well.

The outstanding **new** contribution to the field :

- i. *the demonstration of the absence of EBER expression in AIDS-associated oral hairy leukoplakia [Proc.Nat.Acad.Sci. USA , 1990: 87, 8790-8794,]*
- ii. *the demonstration of EBV gene expression by **in situ** hybridisation in NPC [J. Virology. 1991, 65 (12), 7032-36]*
- iii. *the detection of a new gene transcribed off BARTF₀ in the EBV genome, which may prove to be the key factor in the development of malignant transformation in epithelial cells latent for EBV. [J.of Virology 1990: 64 , No 10, pg 4948-4956 ; J. Virology 1991 , Vol 65, No 11, 6252-9;]*
- iv. *demonstration of EBV presence and gene expression in WHO I nasopharyngeal carcinoma [Amer. J. Pathol 1995:146, No 6, Pg 1355-1367]*

- v. *characterization, classification and demonstration of EBV gene expression in pre-invasive lesions on the nasopharynx [New England Journal of Medicine, 1995, 333: 693-8]*

2. **The histopathology and ultramicroscopic examination of common Malaysian blood and tissue parasites** .(Collaborative study with Associate Professor Chandra Sehkar , Dept of Parasitology).

In particular, I am interested in two parasites - namely Sarcocystis spp. and the characterisation of the hithertofore poorly researched Malaysian species of Schistosomes (Baling and Koyan strains). The latter has been extensively researched by one of my PhD students .

- i. *These studies on Schistosoma malayensis are the sole output of this Institute, and no other similar work has been done elsewhere.[South-East Asian J. Trop. Med. & Pub. Hlth 1992 23 (1), 92-7; Rev.Inf.Dis. 1987 Vol 9 No 5*
- ii. *The widespread prevalence of sarcocytosis in the Far East was first highlighted by our group. This series of muscular sarcocytosis remains the largest in the world.[Trop. Geogr. Med., 44, 102-8; Trans. Royal. Soc. Trop.Med. & Hygiene.]*

3. **Studies in breast cancer**

Recipient of IAEA research grant for biochemical and pathological studies in hormone-sensitive and insensitive breast cancer. [*IAEA 302-E1-MAL-7990*]

4. **Studies on palm oil metabolism**

Recipient of PORIM research grant for studies on dietary fat induced atherosclerosis in a rabbit animal model

AUDIO-VISUAL AIDS FOR UNDERGRADUATE TEACHING WHILE IN UM :

1. "The Routine Post-mortem Examination "

Part I

2. "The Routine Post-mortem Examination -
Examination of Internal Organs "

Part II

Created in 1986 as an aid to undergraduate training in postmortem technique and organ dissection.

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OTHER EDITORIAL ACTIVITY :

1. Served as member on Editorial Board of the UMMAA (University of Malaya Medical Alumni Association) 1986
2. Designed cover for UMMAA Annual Report 1983/1984

MEMBERSHIP OF LEARNED SOCIETIES

1. Member, Malaysian Medical Association . (Committee Member Wilayah Branch, 1992)
2. Member, Malaysian Society of Pathologists (Committee Member 1992 -)
3. Member, Malaysian Society of Health .
4. Member, Electron Microscopy Society Malaysia
5. Member, Malaysian Society of Tropical Medicine and Public Health
6. Member, Internatinal Association for Research in EBV and Associated Diseases (1991-)
7. Associate, The Royal Photographic Society.
8. Member, New York Academy of Sciences
9. Member, The Planetary Society

MEMBERSHIP OF OTHER SOCIETIES

1. Member , Medical Alumni Association (UMMAA)
2. Member, University of Malaya Alumni Association(UMAA)

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CHAIRPERSON AT INTERNATIONAL CONFERENCE:

1. Chaired the session on " Pathology and Immunopathogenesis of Dengue / Dengue Haemorrhagic Fever".
International Conference on Dengue/ Dengue Haemorrhagic Fever " ,University of Malaya , Kuala Lumpur Sep 3rd 1983.
2. Invited International Guest speaker and Round Table Discussant, on "Nasopharyngeal Carcinoma", **4th International Symposium of the International Society of Epstein-Barr Virus and Associated Diseases**, Hualien, Taiwan Sept 1990.
3. Chaired session on "Protozoal Infections I"
Seminar for Asia and the Pacific on Immunoassay Methods and Labelled DNA Probes in the Diagnosis of Communicable Diseases, Bangkok, 23 - 27 November 1992.

REVIEW OF SCIENTIFIC PAPERS

I have been periodically requested to review articles submitted to the following Journals:

1. **International Journals**
International Journal of Cancer
Journal of Pathology
2. **Regional Journals**
Asia Pacific Journal of Molecular Biology and Biotechnology
Southeast Asian J of Tropical Medicine and Public Health
3. **Local Journals**
 1. Malaysian Medical Journal .
 2. Malaysian Journal of Pathology .

3. Journal of Malaysian Society of Health .
4. Tropical Biomedicine
5. Family Practitioner

PUBLICATIONS:

1. PATHMANATHAN R & KAN SP (1981):
 " Human sarcocystis infection in Malaysia " South East Asian J. of Trop. Med. and Pub. Health **Vol 12** No 2, pg 247-249
2. PATHMANATHAN R & SOO-HOO TUCK SOON (1982)
 "Cryptococcosis in the University Hospital, Kuala Lumpur and review of published cases"
Trans. Royal. Soc. of Trop.Med.. **Vol 76** No 1 , pg 21-24
3. PANG T , WONG PY & PATHMANATHAN R (1982)
 " Induction and characterisation of delayed -type hypersensitivity (DTH) in mice . J.Infect. Dis. , **Vol 146** pg 235-240
4. DAVID CV & PATHMANATHAN R (1982) :
 " Oil palm thorn injuries " The Family Practitioner **Vol 3** No 5 , pg 33-34
5. PANG T , DEVI S,YAP KL, PATHMANATHAN R ,WONG PY & LAM SK(1983)
 " Cell-mediated immunity in Dengue Viral Infections" In Proceedings of the 16th Malaysia-Singapore Congress of Medicine. Y.O.Tan (ed.,) pg 310-313.
6. DEVI S ,WONG PY ,YAP KL, PATHMANATHAN R ,BOMFORD R , McKENZIE IFC, BLANDEN RV & PANG T(1983):
 " Parameters influencing the T-cell response to experimental dengue viral infections". In Proceedings of the International Conference on Dengue/Dengue Haemorrhagic Fever (Pang T & Pathmanathan R ed.), Secretariat ,University of Malaya, Kuala Lumpur pg 335 - 342
7. WONG PY ,PATHMANATHAN R , SIHOTANG K ,PANG T& PUTHUCHEARY (1983):
 " In vitro and in vivo studies on the pathogenicity of Campylobacter jejuni.
Abstracts ,1st European Congress of Clinical Microbiology Bologna , Italy .
8. KRISHNAN MSS & PATHMANATHAN R (1984):
 " Intra splenic pancreatic pseudocyst - a case report". South .East Asian .J.of Surgery , **Vol 7** ,No 1 ,pg 92-94
9. PANG T, DEVI S, ARSECULERATNE SN ,PATHMANATHAN R ,Mc KENZIE IFC (1985):
 " Suppression of cell-mediated immunity following oral feeding of mice with palmyrah (Borassus Flabellifer L)" Aust. J.Exp.Biol.Med.Sci., **63**,(Pt4) ,pg 371-379
10. KRISHNAN MSS, PATHMANATHAN R , LOW EH & THAMBIRAJ J(1985):
 " Anal carcinoma in Malaysians - the University Hospital Experience " South.East.Asian J.

of Surgery **Vol 8** ,No 2 , pg 142-145.

11. LIM BH ,RAMAN S, SINNATHURAY T PATHMANATHAN R (1985):
" Ovarian pregnancy - a case report" . Asia-Oceania J.of Obst. & Gynae. ,**Vol 11** No 4 ,pg 551- 554
12. WOLF H ,LESER U, HAUS M ,GU SY & PATHMANATHAN R (1986):
" Sandwich nucleic acid hybridisation : a method with a universally usable probe for various specific tests " J.of.Virological Methods **Vol13** pg 1-8
13. PATHMANATHAN R & CHANDRASEKHARAN N(1986):
EDITORIAL: "Decline in autopsies : a cause for concern" Mal.Med.J **Vol 40** ,No 4, pg 267-270 .
14. RACHAGAN SP, KHAIRUDDIN YUSOF & PATHMANATHAN R (1987):
" Cystic hygroma presenting as a case of shoulder dystocia in labour " Asia- Oceania J. of Obstetrics and Gynaecology Vol 13 No 2 June 1987
15. SVANESARATNAM V & PATHMANATHAN R (1987):
" A benign teratoma of the ovary presenting as 'teeth' in the vagina Brit. J of Obstetrics & Gynaecology. Vol 94 , pg 485 .
16. SAMBANDAN S & PATHMANATHAN R (1987) :
"Clinico pathological correlation in osteoclastomas : The University Hospital Experience " . Sing. Med.J. Vol 28 , No 6 , Dec 1987 pg 537 - 541
17. JALLEH R, PATHMANATHAN R, KRISHNAN MSS, & MUKHERJEE A (1987):
"Multiple jejunal carcinoids- a rare cause of chronic anaemia".South East Asian J. of Surg. Vol 10 No 2 July 1987 pg 110 -111
18. PATHMANATHAN R & KAN SP (1987) :
" Two cases of human sarcocytosis in East Malaysia ". Med.J.Malays Vol 42 , No 3 Sep 1987 , pg 212 -214
19. CHANDRASEKHAR & PATHMANATHAN R (1987) :
" Review of Human schistosomiasis in Malaysia " Rev.Inf.Dis. Sept - October 1987 Vol 9 No 5
20. GOH KL.,PATHMANATHAN R., CHANG KW & WONG NW (1987):
" Tuberculous liver abscess " J.of Trop.Med. Hyg. 1987 ,**90** , 255 - 257
21. SINNIAH D , SINNIAH R, BASKARAN G, PATHMANATHAN R YAMASHITA F & YOSHINO M (1987):
"Evaluation of the possible role of glucose, carnitine , CoQ 10 and steroids in the treatment of margosa - oil induced animal model of Reye's Syndrome " .
Abstracts , 2nd Asian Symposium of Reye's Syndrome and Mitochondrial Diseases ,Kuala Lumpur ,1987 .

22. SINNIAH D , PATHMANATHAN R , SINNIAH R & BASKARAN G (1987) :
" The role of carnitine and hypertonic glucose in the prevention of fatty metamorphosis of the liver in starving mice " Abstracts , 2nd Asian Symposium of Reye's Syndrome and Mitochondrial Diseases , Kuala Lumpur .
23. KARENA G , SINNIAH D , LIM CT & PATHMANATHAN R (1987) :
" Appraisal of CDC criteria in the diagnosis of Reye's Syndrome." Abstracts 2nd Asian Symposium of Reye's Syndrome and Mitochondrial Diseases , Kuala Lumpur .
24. SINNIAH D , CHEE CP , PATHMANATHAN R & NURUDDIN R (1988):
" Metastatic endodermal sinus tumour to cerebellum and brainstem". Med. Paed. Onc. 16 (1) 57-61
25. PATHMANATHAN R , JAYALAKSHMI P & KAN SP (1988):

"A case of human muscular sarcocystis in Malaysia " J.Malays.Soc. of Health Vol 6 (No 1), 45 - 47
26. PATHMANATHAN R.,KAN SP & BASKARAN G (1988) ;
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24. DEVARAJ PE, PATHMANATHAN R , SAM CK, PRASAD U, KOH CL & WOLF H (1986):
" Serological ,pathological and nucleic acid studies in nasopharyngeal carcinoma".

Combined Medical meeting , Kuala Lumpur 5th-8th August, 1986 .

25. SAM CK, PRASAD U & PATHMANATHAN R (1986):
"The use of IgA / VCA in the diagnosis of NPC in Malaysia " 2nd International Symposium on EBV and Associated Malignant Disease, St.Petersburg, Florida Sept 1986 .
26. PATHMANATHAN R, BASKARAN G, KAN SP & SINNI AH B(1986):
"Canine Brugia spp infection - a case report" 31st Scientific Conference of the Malaysian Veterinary Association, Kuala Lumpur, 9th Sept 1986 .
27. BASKARAN G & PATHMANATHAN R (1986):
"Some epidemiological and pathological aspects of dirofilariasis in Malaysian dogs " 31st Scientific Conference of the Malaysian Veterinary Association, Kuala Lumpur , 9th Sept , 1986.
28. PATHMANATHAN R & BASKARAN G (1986):
" Post-ruminotomy gas gangrene - an unusual cause of sudden death in Kambing Katjang" 31st Scientific Session Conference of the Malaysian Veterinary Association, Kuala Lumpur, 9th Sept 1986 .
29. SINNI AH D, SINNI AH R, BASKARAN G, PATHMANATHAN R, YAMASHITA F & YOSHINO M : (1987)
" Evaluation of the possible role of glucose, carnitine, coenzyme Q- 10 and steroids in the treatment of Reye's syndrome using the Margosa oil animal model" 2nd Asian Symposium on Reye's Syndrome and Mitochondrial Diseases Kuala Lumpur, March 20-22, 1987 .
30. CHANDRA SHEKHAR K & PATHMANATHAN R (1988):
" Pulmonary pathology in rabbits infected with the Baling and Koyan strains of the Malaysian schistosomes " Malaysian Society of Parasitology and Tropical Medicine 24th AGM held at Veterinary Research Institute , Ipoh 3rd March -5th March 1988
31. CHANDRA SHEKAR K & PATHMANATHAN R (1988):
"Adenomatous hyperplasia of bile ductular epithelium in mice and hamsters infected with the Malaysian schistosomes (Baling and Koyan strain) Malaysian Society of Parasitology and Tropical Medicine , 24th AGM held at Veterinary Institute , Ipoh , 3rd March - 5th March 1988.
32. PATHMANATHAN R (1988):
" In search of the Occult Primary - A Histopathological Odyssey " Invited Lecture Meeting of Fellows of the Royal College of Surgeons . Kuala Lumpur , 23rd March 1988.
33. PATHMANATHAN R (1988)
" Recent Advances in Pathology of Bone Tumours " Post Graduate Lecture Department of Orthopaedic Surgery , University of Malaya , Faculty Of Medicine 17th July 1988.

34. PATHMANATHAN R (1990)
" DNA Gene Probes In Laboratory Medicine " Invited Guest Speaker,
PlenarySession 2, 1st National Scientific Conference, Persatuan Teknologis
Makmal Perubatan, Kuala Lumpur,1- 3 June, 1990.
35. PATHMANATHAN R, JOSHUA MD, JAYALAKSHMI P & KRISHNAN MMS (1990):
" Colorectal Carcinoma in Adults Under the Age of 40 Years - The University Hospital
Experience". 1st Combined Scientific Meeting of the Malaysian Society of Pathologists and
Singapore Society of Pathologists, Singapore, September 1990.
36. RAAB-TRAUB N, SATO H, GILLIGAN K, RAJADURAI P AND TAKIMOTO T. (1990)
"Replication Of The Epstein-Barr Virus In Lymphoid And Epithelial Cells " 4th International
Seminar of Epstein-Barr Virus and Associated Diseases , Taiwan, September 24- , 1990
37. PATHMANATHAN R, GILLIGAN K, PRASAD U, BUSSON P EL-SAYED M
TURSZ T & RAAB-TRAUB N (1990) :
" In Situ Analysis of EBV Expression in NPC " 4th International Seminar of Epstein-Barr
Virus and Associated Diseases , Taiwan, September 24- , 1990
38. GILLIGAN K, SATO H, LIN Y , RAJADURAI P, BUSSON P, SADLER R, TURSZ T &
RAAB-TRAUB:
" Transcription From BamHI A In NPC " 4th International Seminar of Epstein-Barr Virus and
Associated Diseases , Taiwan, September 24- , 1990
39. PATHMANATHAN R, GILLIGAN K, RESNICK L & RAAB-TRAUB N (1991): **(Invited
Symposium speaker)**
" Analysis of Epstein-Barr (EBV) gene expression in AIDS- associated oral leukoplakia".
7th IUVDT Regional Conference on Sexually Transmitted Diseases, Kuala Lumpur, 5-7th
September 1991
40. BASKARAN G, PATHMANATHAN R & SINNIAH D (1991):
"Carnitine and hypertonic glucose inhibits hepatocellular steatosis in Margosa Oil gavaged
ICR mice" Asia-Pacific / International Symposium on Laboratory Animal Science, 12-16
October 1992, Beijing, China.
41. BASKARAN G & PATHMANATHAN R (1991):
"Clinico pathological aspects of fulminant *Babesia rhodanini* infection in splenectomised
ICR mice" Asia-Pacific / International Symposium on Laboratory Animal Science, 12-16
October 1992, Beijing, China.
42. BASKARAN G & PATHMANATHAN R (1991):
" Epidemiological, pathological and therapeutic considerations of filariasis in Malaysian
dogs" Asia-Pacific / International Symposium on Laboratory Animal Science, 12-16
October 1992, Beijing, China.
43. BASKARAN G & PATHMANATHAN R (1990) :
" Some clinical and Pathological Observations in Babesia Rhodaini infection in ICR mice "
First World Congress on Laboratory Animal Science, Caxambu, Brasil, September 9-14,

1990

44. WONG MH, LOH KC, JAYALAKSHMI P & PATHMANATHAN R (1991)
" Diagnostic Electron microscopy in Histopathology". In 1st Annual Scientific Conference of the Malaysian Society of Electronmicroscopists, Kuala Lumpur, November 1991
45. PATHMANATHAN R , ARSECULARATNE SN & WONG MH (1991)
"The ultrastructure of Palmyrah (*Borassus Flabellifer L*) intoxicated mouse hepatocytes." In 1st Annual Scientific Conference of the Malaysian Society of Electronmicroscopists, Kuala Lumpur, November 1991
46. CHANDRASHEKHAR K & PATHMANATHAN R (1992)
" Renal lesions associated with *Schistosoma malayensis N Sp* in hamsters". 28th Annual Scientific Seminar of the Malaysian Society of Parasitology & Tropical Medicine, Feb 28 & 29, 1992
47. DANIEL JM, PATHMANATHAN R, JALLEH RP, SURYATI J & SALBIAH N (1992)
"Is colorectal carcinoma in young adults really associated with a worse prognosis ?" Quarterly Scientific Meeting, Academy of Medicine of Malaysia, 12th February 1992.
48. PATHMANATHAN R & RAAB-Traub, N (1992)
" Oral hairy leukoplakia in HIV infected patients is the result of lytic EBV infection". Scientific Session, Silver Jubilee of University Hospital Medical Centre 30th June -3rd July 1992.
49. PATHMANATHAN R, ARSECULARATNE SN & WONG MH (1992)
" Ultrastructural evidence for mitochondrial injury as the primary lesion in palmyrah-induced hepatotoxicity ". Scientific Session, Silver Jubilee of University Hospital Medical Centre 30th June - 3rd July 1992.
50. PATHMANATHAN RAJADURAI, PRASAD U, & RAAB-TRAUB, N.(1992)
" EBV gene transcription in nasopharyngeal carcinoma - analysis by *in situ* hybridization ". Scientific Session, Silver Jubilee of University Hospital Medical Centre 30th June -3rd July 1992.
51. KHOO JJ & PATHMANATHAN R. (1992)
" Cyclin expression in benign, borderline & malignant epithelial tumours of ovary". Scientific Session, Silver Jubilee of University Hospital Medical Centre 30th June -3rd July 1992.
52. BASKHARAN G & PATHMANATHAN R (1992)

" The pathology of canine dirofilariasis". Scientific Session, Silver Jubilee of University Hospital Medical Centre 30th June -3rd July 1992.
53. PATHMANATHAN R (1992) (INVITED SPEAKER)
" Molecular biological aspects of cancer diagnosis". Scientific Session, Silver Jubilee of University Hospital Medical Centre 30th June - 3rd July 1992.

54. PATHMANATHAN R, RESNICK L & RAAB-TRAUB N (1992)
"Epstein-Barr [EBV] gene expression in HIV -associated oral hairy leukoplakia". Seminar for Asia and the Pacific on Immunoassay Methods and Labelled DNA Probes in the Diagnosis of Communicable Diseases, 23 - 27 November 1992.
55. M. A. JALALUDIN & PATHMANATHAN R (1993)
"Thyroid metastasis from nasopharyngeal carcinoma - a case report"
3rd Scientific Meeting of the Malaysian Otorhinolaryngology Society, Kuala Lumpur 9th January 1993.
56. PATHMANATHAN R (1993) [**INVITED SPEAKER**]
' THE MOLECULAR BIOLOGY OF EPSTEIN-BARR (EBV) -ASSOCIATED DISEASES'..
Fourth Scientific Meeting of the Malaysian Society of Molecular and Cellular Biology, Awana Genting Highlands, May 19th-20, 1993.
57. PATHMANATHAN R, ARSECULARATNE SN & WONG MH (1994)
"Ultrastructural evidence for mitochondrial injury as the primary lesion in palmyrah-induced hepatotoxicity"
Ixx Biennial Scientific Meeting of the Asian Pacific Association for the Study of the Liver
26th - 29th January , Kuala Lumpur
58. PATHMANATHAN R (1994)
"Pengajian Lepasijazah Perubatan; Peluang dan Prospek Masa Kini dan Hadapan"
Persidangan Mahasiswa Perubatan Malaysia Ke 7. " Ke Arah Melahirkan Generasi Doktor yang Cemerlang dan Berkualiti" Kuala Lumpur, 13-15 hb Januari
59. **INVITED LECTURE :**
PATHMANATHAN R, PRASAD U, FLYNN K, CHANDRIKA M & RAAB-TRAUB N (1994):
EBV infection in nasopharyngeal carcinoma and premalignant lesions: gene expression and strain variation. Sixth International Symposium on Epstein-Barr Virus and Associated Malignant Diseases, Cold Spring Harbour, Sep 7-11, 1994. Cold Spring Harbour, New York.
60. Chandra Shekhar N & Pathmanathan R (1994)
"Schistosoma malayensis. Histopathological and clinical studies in a rabbit model " 8th International Conference of Parasitology , Oct 10-14, Grand Hotel Ephesus, Izmir, Turkey
61. PATHMANATHAN R (1994) [**INVITED LECTURE**]
"The pathology and molecular biology of EBV - Associated Diseases". Speciality Laboratories, Santa Monica, California. 19th September 1994
62. SUNDRAM K, ANISAH I, HAYES KC, JEYAMALA R & PATHMANATHAN R (1995)
"A *trans* 18:1 enriched fat blend is more cholesteraeic than either *cis* 18:1 or 16:0- rich fats in humans. Presented at the Scientific Meeting of the Federation of the American Society of Biochemists, USA 995

63. PATHMANATHAN R (1995) [**INVITED LECTURE**]
“The laboratory diagnosis of Epstein-Barr viral infection”
6th Asean Conference in Medical Laboratory Technology, 25th - 29th July 1995, Kuala Lumpur
64. PATHMANATHAN R (1996)
“Current Ethical Issues in Laboratory Animal Practice” 2nd Annual Meeting of Laboratory Animal Science Association of Malaysia (LASAM), 5th July 1996, Rumah Universiti, UM, K Lumpur
65. Panel discussant on above
66. Pathmanathan R (1996)
“ Telemedicine ~ new frontiers”. Digital Age Symposium “Business in The New Digital Economy”, Kuala Lumpur. Putra World Trade Centre, Kuala Lumpur, 25 - 27 July 1996
67. Pathmanathan R (1996)
“ Internet and Society”. Panel discussant. Digital Age Symposium “Business in The New Digital Economy”, Kuala Lumpur. Putra World Trade Centre, Kuala Lumpur, 25 - 27 July 1996
68. Pathmanathan R (1996)
“Positioning for Integrated HealthCare Delivery Systems”. Panel discussant. “Quality HealthCare in Malaysia”. Asia Business Forum. Aug 26 - 27, Kuala Lumpur.
69. Pathmanathan R (1996) [**Invited Speaker**]
“Oncogene p53 - Role in Cancer Development” *The 7th ASEAN ORL - Head and Neck Congress. “Otorhinolaryngology : Towards the 21st Century”* 1st - 5th December, 1996, Kuala Lumpur, Malaysia
70. Jayalakshmi P, Chandrika G, Prasad U, Arokiasamy J and Pathmanathan R (1996)
“ p53 immunoreactivity in nasopharyngeal carcinoma: Correlation with clinical staging, histological typing and patient survival”. [**POSTER**] *The 7th ASEAN ORL - Head and Neck Congress. “Otorhinolaryngology : Towards the 21st Century”* 1st - 5th December, 1996, Kuala Lumpur, Malaysia
71. Pathmanathan R (1996) [**INVITED SPEAKER**]

“EBV and NPC - Some recent Advances”. 13th Asia-Pacific Cancer Conference, Penang, 17th - 22nd Nov 1996.
72. Pathmanathan R (1997)
Assessing the Challenges and Benefits of a recent Telemedicine trial. Telemed Asia 97 16th September 1997, Putra World Trade Centre, Kuala Lumpur
73. Pathmanathan R (1997) (**Invited speaker**)

“EBV and NPC: Recent advances” Joint scientific Meeting of the Royal College of pathologists of Australasia, Chapter of Pathologists, Academy of Medicine, Singapore, Singapore Society of Pathology and Malaysian Society of Pathologists, 6 - 9 October, Singapore.

74. Pathmanathan R (1998) **(Invited speaker)**
“Parasitic diseases of the lung in Malaysia”. 32nd Singapore-Malaysia Congress of Medicine 13-16th August . “An Integrated Approach to Medicine”, Chapter of Pathologists Meeting, 16th August. Singapore
75. Pathmanathan (1998) **(Invited speaker)**
“Teleimaging in Modern Medicine”. Infohealth98, 8th September 1998. Kuala Lumpur
76. Pathmanathan R (1998) **(Invited speaker)**
“Infection and Cancer”. Plenary session. 6th Western Pacific Congress of Chemotherapy and Infectious Diseases “ Chemotherapy towards the 21st Century”. Kuala Lumpur 29 Nov - 3 Dec, 1998
77. Pathmanathan (1998) **(Invited speaker)**
“EBV and NPC”. Scientific session on “Prevention of Cancer”. 6th Western Pacific Congress of Chemotherapy and Infectious Diseases “ Chemotherapy towards the 21st Century”. Kuala Lumpur 29 Nov - 3 Dec, 1998
78. SUNDRAM K, PATHMANATHAN R & ROSNAH MN. (1999)
“Dietary cholesterol addition to hydrogenated or saturated fat blends enhances atherosclerosis in the rabbit model”. PORIM International Palm Oil Congress (PIPOC) 1999). Nutrition Conference, 1 - 6 February 1999, Kuala Lumpur
79. FUZINA H, SUNDRAM K, ROSNAH MD, PATHMANATHAN R, WONG KT. (1999)
“Effect of dietary Palm Oil and its Minor Components on Dimethylhydrazine (DMH) induced colon cancer in rats. PORIM International Palm Oil Congress (PIPOC) 1999). Nutrition Conference, 1 - 6 February 1999, Kuala Lumpur
80. PATHMANATHAN R (1999)
Genetics & Molecular Biology of Gynaecological Cancers. 9th Malaysian Congress of Obstetrics & Gynaecology, Pulau Pinang, 10th - 13th June 1999
81. PATHMANATHAN R (1999)
Tumour markers in Breast and Ovarian Cancers. 9th Malaysian Congress of Obstetrics & Gynaecology, Pulau Pinang, 10th - 13th June 1999
82. PATHMANATHAN R (2000)
“Viruses and Cancer” .. 3rd MOH-AMM Scientific Meeting & International Congress of Medicine in the Tropics. Mixed Symposium 14 1-4 November 2000, Shangri-La Hotel, Kuala Lumpur

83. PATHMANATHAN R (2002)
The importance of HER2 testing. In : Malaysian Oncology Society Breast Cancer Meet 6th-8th September, Pelangi Beach Resort, Langkawi
84. PATHMANATHAN R (2003)
“Invasive breast cancer – pathological diagnosis and classification”. Joint Breast Congress . “ Challenges in the New Millennium”. Jointly organised by the Subang Jaya Medical Centre, the Breakthrough Toby-Robins Breast Cancer Centre, Academy of Medicine of Malaysia, and MAKNA. Kuala Lumpur 12 & 13th April 2003
85. PATHMANATHAN R (2003)
“The diagnosis of premalignant diseases of the breast”. Joint Breast Congress . “ Challenges in the New Millennium”. Jointly organised by the Subang Jaya Medical Centre, the Breakthrough Toby-Robins Breast Cancer Centre, Academy of Medicine of Malaysia, and MAKNA. 12 & 13th April 2003
86. PATHMANATHAN R (2003)
“Your Pathology Report”. **PUBLIC FORUM**. Joint Breast Congress . “Challenges in the New Millennium”. Jointly organised by the Subang Jaya Medical Centre, the Breakthrough Toby-Robins Breast Cancer Centre, Academy of Medicine of Malaysia, and MAKNA. 12 & 13th April 2003
87. PATHMANATHAN R (2003)
Updates on HER2 testing and when to test in: Joint MOS/MSH Meet, Palace of the Golden Horses, Mines Resort City, 25th-27th April 2003
88. PATHMANATHAN R (2003)
Keynote speaker
The Molecular Pathology of Breast Cancer – Moving Research into Clinical Practice. 2nd Borneo Surgical Meeting, “ Current Surgical Trends in Borneo”. *Organised by the Royal College of Surgeons in Edinburgh*. 1st September 2003. Hilton Hotel, Kuching, Sarawak
89. PATHMANATHAN R (2003)
Fluorescent in-situ hybridization (FISH & CISH). 37th Malaysia-Singapore Congress of Medicine and Annual Scientific Meeting, 5th September, Hotel Istana, Kuala Lumpur
90. R NATHAN, P.S.NATHAN, R PATHMANATHAN, P JAYALAKSMI, M GREAVES (2003)
Idiopathic Macular Truncal Hypomelanosis or Pseudoversicolor – A Marker for Atopic Disease ? 2nd International Symposium on Ethnic Hair & Skin: New Directions in Research. 19 – 21 Sept 2003, Fairmont Hotel, Chicago, Ill.

91. PATHMANATHAN R (2004)
The role of Informatics in Biotechnology. In: National Congress on Information Technology in Medicine. Symposium 6: Informatics in Medical Research and Biotechnology. Sheraton Subang Hotel & Towers, Subang Jaya, Selangor, 6th- 7th August
92. PATHMANATHAN R (2004)
The impact of informatics and biotechnology on Medicine In: 1st Indo-Malaysian CME, "Laboratory Medicine: Towards More Effective Practices". Manipal Academy of Higher Education, Manipal, 23rd August
93. PATHMANATHAN R (2004)
Fluorescent In-situ Hybridization. In: 1st Indo-Malaysian CME, "Laboratory Medicine: Towards More Effective Practices". Manipal Academy of Higher Education, Manipal, 23rd August
94. PATHMANATHAN R (2005)
Carcinogenesis of Nasopharyngeal Carcinoma. Invited Guest Speaker. In: "100 years (1905 – 2005) University of Malaya International Conference on Health Sciences". Sunway Lagoon Resort Hotel, Kuala Lumpur, 6th – 8th May 2005
95. PATHMANATHAN R (2005)
"Current issues in testing for HER2 status". In: ROCHE HER2 Workshop on Breast Cancer, Subang Sheraton 14th May 2005
96. PATHMANATHAN R (2005)
"Analysis of HER2 Test results in a Pathology Laboratory". In: Current issues in testing for HER2 status". In: ROCHE HER2 Workshop on Breast Cancer, Subang Sheraton 14th May 2005
97. PATHMANATHAN R (2006)
"The Importance of confirming HER2 status: When and How ". ROCHE/ MOS "Focus on Oncology" Symposium, Awan Genting Highlands Resort, Pahang. 15th- 16th July 2006
98. MS SHIRAN, TAN GC, N ARUNACHALAM, AR SABARIAH, R PATHMANATHAN, (2006)
Clear Cell "Sugar" Tumour of the Lung: A Case report – International Conference: Exploring New Frontiers in Medicine and Health, Putra World Trade Centre (PWTC), Kuala Lumpur, 1-2 August 2006.
99. PATHMANATHAN R (2006) **(Invited speaker)**
"Update: Tumour Markers in Gynecological Pathology", MOH Anatomical Pathology Conference, "Controversies in Gynecological Pathology" 18 & 19th November 2006 , Ipoh
100. PATHMANATHAN R (2007) **(Invited speaker)**
HER2 Testing in Breast Cancer – CISH workshop
13th Jan 2007, Subang Sheraton (Joint Workshop Roche Malaysia- Invitrogen USA-

101. PATHMANATHAN R (2007) **(Invited speaker)**
“Total Mesorectal Excision- The Perfect Specimen and Report “
5th Malaysian Colorectal Conference, 1st - 4th March 2007, Sunway Lagoon Resort Hotel

102. SHIRAN MS, TAN GC, SABARIAH AR, PATHMANATHAN R (2007).
Huge Upper Limb Mass in a 13 year old boy: A Case of small cell variant of anaplastic large cell lymphoma with positive immunoreactivity for CD99 –

(Published Abstract – The Malaysian Journal of Pathology, Vol 29, Supplement A, August 2007, pp146-147) 24th World Congress of Pathology and Laboratory Medicine, 20-24 August 2007, Sunway Pyramid Convention Centre, Petaling Jaya

103. MS SHIRAN, M NORHAFIZAH, AR SABARIAH, L RAMPAL, I HAIRUSZAH, BR LEE, R PATHMANATHAN, (2007).
Immunohistochemical Expression of COX-2 in Different Grades of Astrocytoma –

(Poster Presentation) Pameran Reka Cipta, Penyelidikan dan Inovasi (PRPI) 27-29 November 2007 Dewan Besar, Universiti Putra Malaysia

104. PATHMANATHAN R (2008) **(Invited speaker)**
“Histological transformation of indolent lymphoma”
SoutheastAsia / India Hematology Meeting 29 Feb- 4th March 2008, The Windsor Bengaluru Hotel, Bangalore

105. PATHMANATHAN R (2008)
“Esophageal histology in 20 minutes: All you ever need to know ” Digestive Diseases Club:
The Oesophagus , Le Meridien Hotel, Kuala Lumpur: 8th of March 2008