

**PENCAPAIAN  
PENYELIDIKAN DAN  
PENERBITAN  
JABATAN PEDIATRIK  
2006**

# **PENCAPAIAN PENYELIDIKAN DAN PENERBITAN JABATAN PEDIATRIKS 2006**

**Jabatan telah terlibat dalam penyelidikan berikut  
sepanjang tahun 2006**

## **'Health status of prepubertal children born with low birth weight'.**

Projek dibawah pembiayaan IRPA dan diketuai oleh Ketua Projek Dr Nik Zainal Abidin Nik Ismail. Projek ini juga melibatkan pensyarah lain iaitu Prof Madya Hans Rostenberg, Dr Ariffin Nasir dan diperingkat pengumpulan data serta analisis berterusan

## **“ Mapping of Malnourished Children with Geoinformation System and Remote Sensing’**

Pembiayaan IRPA- Penyelidik Utama ialah Prof Zabidi Hussin dan melibatkan pensyarah-pensyarah lain dari PPSk, PPSP serta Universiti Putra Malaysia. Projek ini diperingkat akhir serta penulisan buku. Hasil yang lain ialah pembikinan perisian komputer, “Growth Monitor” yang sedang diuji pakai dalam sistem komputer Kementerian Kesihatan Malaysia

## **“Short Term Outcome of Psychoeducational Program On Coping Abilities of Parents of Children With Cancer “.**

Projek ini diketuai oleh Dr Norsarwany dan melibatkan penyelidik dari University of Sydney, Australia, Universiti Putra Malaysia serta penuntut PhD. Dibiayai oleh MOSTE

## **Comparison of the effectiveness between single phototherapy with reflector curtain versus double phototherapy in decreasing serum bilirubin in babies with hyperbilirubinaemia.’**

Seliaan Prof Madya Dr Haans Rostenberghe

**Venepuncture vs heel prick for blood glucose monitoring in term neonates.**

Projek ini bibiyai oleh Malaysian Paediatric Foundation dan diketuai oleh Prof Madya Dr Haans Rostenberghe

**‘Genetics of Spinal Muscular Atrophy’.**

Projek ini diketuai oleh Dr Zilfalil Alwi dan melibatkan pembiayaan IRPA

**‘EEG Modelling and Fuzzy Logic’-**

Pembiayaan IRPA . Projek ini diselia bersama oleh Prof Zabidi Hussin dan melibatkan Universiti Teknologi Malaysia

**“Pharmacokinetics interaction between propranolol and herbal products (Tongkat Ali)”.**

Diselia bersama oleh Dr Suhaimi A Wahab

**‘Genetic polymorphism of CYP2C9 in Malaysian Indian population’**

Diselia bersama oleh Dr Suhaimi A Wahab

**‘A Pilot Study on determination of type of antibody and factors contributing to its development among multiple transfused thalassaemia patients’.**

Seliaan bersama Dr Ariffin Nasir .

**‘A one year, open label, single arm, multicenter trial; evaluating the efficacy and safety of oral ICL 670 (20mg/kg/day) in patients diagnosed with transfusion-dependant iron overload’.**

Seliaan bersama Dr Ariffin Nasir, Dr Norsarwany Mohamed

**Cardiac manifestations in thalassaemia patients.**

Elective students University College of Cork. Ireland. Seliaan Dr Ariffin Nasir

**‘Cardiopulmonary Assessments in Transfusion Dependant Thalassaemia .’**

Seliaan Dr Ariffin Nasir dan Col (B) Dr Wan Pauzi

**‘Treatment outcome of patients with ALL in HUSM’.**

Seliaan Dr Ariffin Nasir . Dr Norsarwany Mohamed

**‘Genetic Polymorphisms of CYP3A4 & CYP2c8 in Healthy Volunteers administered with Ripaglinide.’**

Seliaan bersama Dr Suhaimi A Wahab

**‘Evaluation of reproductive toxicity of Kacip Fatimah in rats.**

‘Seliaan bersama Dr Suhaimi A Wahab

**‘Prevalence of sleep disorders in children attending paediatric subspeciality clinics, in Hospital University Sains Malaysia using “sleep disturbance scale for children’ questionnaire.**

Seliaan Prof Quah Ban Seng

**‘A randomized controlled trial of parenteral glutamine in newborns receiving total parenteral nutrition (TPN) in Hospital USM ‘.**

Seliaan Prof Madya Dr Haans Rostenberghe

**‘Family Presence During Cardiopulmonary Resuscitation: Attitudes and Experience From Medical Personnel and Parents.’**

Seliaan Prof Quah Ban Seng

**‘Thyroxine for prevention or treatment of end organ damage in asphyxiated neonates’.**

Seliaan Prof Madya Dr Haans Rostenberghe

**‘Lung function and home indoor exposure to PM10 among 7-12-year-old children in rural area of Tumpat, Kelantan’.**

Diselia bersama oleh Prof Quah Ban Seng

**“Tsunami in Aceh, the Aftermath”.**

Dibiayai oleh Malaysia Paediatric Foundation dan diselia bersama oleh Prof Zabidi Hussin .

**‘Prevalence of asthma and assessment of lung function in prepubertal children born with low birth weight.’**

Diselia oleh Prof Madya Dr Nik Zainal Abidin Nik Ismail.

**‘Outcome of Nephrotic Syndrome in children receiving treatment cyclosporin A in HUSM from 2000-2005 and factor that determine patient survival .’**

Diselia oleh Prof Madya Dr Nik Zainal Abidin Nik Ismail.

**National Neonatal Registry**

**The short term outcome of premature babies in Malaysia**

diselia bersama Prof Madya Dr Haans Rostenberghe

**Cleft lip and palate study**

**A study on the genetic and environmental factors associated with non-syndromic cleft lip and palate in the Malay population**

Diselia Prof Haans Rostenberghe

**SEA orchid project**

Grant from Welcome trust

Educator: Hans Van Rostenberghe

Project associates: Dr. Noraida, Dr. Noorizan, Prof Quah, Prof Zabidi

**Malaysian Palm-Oil Board (MPOB) 2006**

**Whole Genome gene expression profile of Tocotrienol treated human keratinocytes and skin fibroblast from hypertrophic scar tissues**

Principle Investigator: Dr. Zilfalil Bin Alwi

**FRGS, Ministry of Higher Education 2006**

**Understanding the genetic basis of NPC; determination of the role of EBV infection and genomic alteration in the development of the Disease**

Principle investigator: Dr. Zilfalil Alwi

### **USM Short-term Grant 2006**

**Development of DNA-based cold-chain - freeze Diagnostic Kit for The Detection of Homozygous Deletion of the SMN1 Gene in Spinal Muscular Atrophy (SMA) Patients.**

Principal investigator: Dr. Zilfalil Alwi

Co-investigator: Prof. Dr. Zabidi Azhar Mohd Husin, Prof. Madya M.Ravichandran

**Development of Comparative Genomic Hybridization (CGH) Technique for the Study of Nasopharyngeal Carcinomas (NPC)**

Principle Investigator: **Dr. Zilfalil Bin Alwi**

### **USM Short-term Grant**

**Development of a Rapid Screening Method for the Diagnosis of Fragile-X Syndrome among the Kelantanese Population using Real-Time PCR.**

Principle Investigator: Mohamad Ros bin Sidek

Co-investigator: Dr. Zilfalil Alwi

### **INTERNATIONAL RESEARCH COLLABORATION 2006**

#### **Pan-Asian SNP Initiative (PASNPI)**

**An international research collaboration by Human Genome Organization (HUGO) to map the genetic profile of the various ethnic groups in Asia.**

Human Genome Center USM is part of the PASNPI consortium, studying the genetic profile of the Malays and various peninsula Malaysia Orang Asli ethnic groups.

#### **British Council Networking for Population Genetics**

Established networking between 12 British scientists and our Local scientists and researchers in the field of population genetics. A workshop was held from 13 to 15 February 2006 at the Human Genome Center USM. One of the major outcome of this meeting is

the establishment of a research collaboration with University of Central Lancashire, UK, in the field of population genetics.

## **PENSYARAH JABATAN TELAH JUGA MENERBITKAN PENULISAN AKADEMIK DALAM JURNAL-JURNAL TEMPATAN DAN ANTARABANGSA**

**Prevalence of asthma, eczema and allergic rhinitis: two surveys  
6 years apart in Kota Bharu, Malaysia**

*Quah BS, Wan-Pauzi I, Ariffin N, Mazidah AR.. Respirology 2005;10: 244–249*

**Red cell immunization in multiply transfused Malay thalassemia  
patients"**

**Southeast Asian Journal of Tropical Medicine and Public Health.**

*Noor Haslina, Ariffin N, Ilunihayati, Rosline H. Thailand.. Sept 2006.*

**Efficacy of phototherapy for neonatal jaundice is increased by  
the use of low-cost white reflecting curtains.**

*Djokomuljanto, B S Quah, Y Surini, R Noraida, N Z N Ismail, T W R Hansen,  
and H Van Rostenberghe. Arch. Dis. Child. Fetal Neonatal Ed. 2006;  
91: F439-F442.*

**RSV and Bronchiolitis**

*Hans Van Rostenberghe<sup>∞</sup>, Kew Seih Teck, Mohamed Hanifah. Letter.  
Archives of Diseases in Childhood Fetal Neonatal Ed. 2006  
Mar;91(2):F154*

**Sildenafil as treatment for Human Immunodeficiency Virus-related pulmonary hypertension in a child.**

*Wong AR, Rasool AHG, Abidin NZ, Noor AR, Quah BS.* **Journal of Paediatrics and Child Health** 2006; 42: 147-148

**Prevalence and risk factors for iron deficiency in Kelantanese pre-school children.**

*Siti-Noor AS, Wan-Maziah WM, Narazah MY, Quah BS.* **Singapore Med J** 2006; 47(11):935-9.

**Frequencies of A(TA)<sub>7</sub>TAA, G71R and G493R Mutations of the UGT1A1 Gene in the Malaysian Population** Surini Yusoff, Hans Van Rostenberghe<sup>∞</sup>,

*Narazah M. Yusoff, Norlelawati A. Talib, Noraida Ramli, N.Zainal A.N. Ismail, W.Pauzi W. Ismail, Masafumi Matsuo, Hisahide Nishio..* **Biology of the Neonate.** 2006; Apr 89(3):171-176

**The clinical picture of neonatal infection with Pantoea species.** H Van Rostenberghe<sup>∞</sup>,

*Noraida R, Wan Pauzi WI, Habsah H, Zeehaida M, Rosliza AR, Fatimah I, Nik Sharimah NY, Maimunah* **Japanese Journal of Infectious Diseases** 2006 (April) vol 59 no 2: 120-121

**Evaluation of mutation effects on UGT1A1 activity toward 17  $\beta$ -estradiol using liquid chromatography-tandem mass spectrometry.**

*K Wada, A Takeuchi, K Saiki, R Sutomo, H Van Rostenberghe, Narazah MY, V Laosombat, AH Sadewa, Norlelawati AT, Surini Y, MJ Lee, H Ayaki, H Nakamura, M Matsuo, H Nishio<sup>∞</sup>.* **J Chromatogr B Analyt Technol Biomed Life Sci.** 2006 Jun 21;838(1):9-14.

**Malaysian Indians are genetically similar to Caucasians: CYP2C9 polymorphism.**

*Zainuddin Z, The LK, Suhaimi AW, Ismail R.* **J Clin Pharm Ther.** 2006 Apr;31(2):187-91

**Evaluation of the female reproductive toxicity of aqueous extract of *Labisia pumila* var. *alata* in rats.**

*M.F. Wan Ezumi, S.S. Amrah, A.W.M. Suhaimi, S.S.J. Mohsein. Indian Journal of Pharmacology (accepted for publication).*

**ABO incompatibility with negative direct Coombs test in jaundiced neonates is associated with mutations in the UGT1A1 gene.**

*Surini Y, Van Rostenberghe H, Yusoff NM, Ramli N, Ismail NZ, Ismail WP, Matsuo M and Nishio H. Proceeding book of the 1st Penang International – Postgraduate Convention: 1<sup>st</sup> Health and Medical Sciences Conference. (2006). (Proceedings)*

**Association between the G71R mutation of the UGT1A1 gene and ABO incompatibility with negative direct Coombs test in Malay babies with neonatal jaundice**

*Surini Y, Van Rostenberghe H, Narazah MY, Noraida R, Nik Zainal Abidin NI, Wan Pauzi WI, Matsuo M, Nishio H. : Malaysian Journal of Medical Sciences, 2006( Published Abstracts)*

**Metachromatic Leukodystrophy Improved Diagnosis and Prognosis”**

*Thesis PhD yang tamat dan diselia bersama oleh Prof Zabidi Hussin dan dianugerahkan oleh University of Adelaide Australia*

**Curricular Trends in Malaysian Medical Schools: Innovations Within**

*Nor Azila Adnan, Rogayah Jaafar ZAMH Zabidi-Hussin  
Review Article, Annals Academy of Medicine, Singapore Sept 2006, Vol 35 No 9)*

**Percutaneous closure of atrial septal defect type ostium secundum using the new Intrasept occluder: initial experience.**

*JJ Goy MD, JC Stauffer MD, Z Yusuf MD, AR Wong MD, R Owlya MD, F Perret MD, M Siegenthaler, M Savcic MD, R Ménétrey MD, C Seydoux MD.  
Catheter Cardiovasc Interv. 2006 (Europe); 67(2): 265-7*

**Case report – anomalous right pulmonary artery from the aorta.**

*Abdul Rahim Wong, Sharifah Ainon Ismail Mokhtar, Aida Hanum Ghulam Rasool*  
*Images in Paediatric Cardiology 2006 (Malta, Europe); 24: 1 – 4.*

**Sildenafil as treatment for HIV-related pulmonary hypertension in a child.**

*AR Wong, Sharifah AIM, AH Rasool, Nik Zainal, A Rahman Noor, BS Quah.*  
*J Paediatr Child Health (Aus) 2006 Mar;42(3): 147-8.*

**Detection of  $\Delta$ F508 mutation in Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) gene among Malays**

Zilfalil BA, Sarina S, Liza ATS, Nicola J.O, Sue M.S  
Singapore Medical Journal 2006; 47(2): 2-6

**Ocular manifestations in Malaysian children with Down Syndrome**

Liza-Sharmini AT, Nik Azlan Z, Zilfalil BA  
Singapore Medical Journal 2006; 47(1): 14-19

**A Malay child with Cornelia de Lange syndrome: Clinical and Molecular Study**

Bhuiyan Z, Zilfalil BA, Hannekam R  
Singapore Medical Journal 2006 Aug;47(8):724-7.

**An improved rapid genotyping method for the study of Beta2AR gene polymorphisms using single tube allele specific multiplex PCR.**

Zilfalil BA, Hoh BP, Nizam MZ, Liza-Sharmini AT, The LK, Ismail R  
Journal of Clinical Pharmacy and Therapeutics 2006 Dec; 31(6): 637-640

**Karyotype pattern and maternal age distribution in Down syndrome patients**

**analyzed at Human Genome Center, University Sains Malaysia, Kelantan.**

Siti Mariam I, Suhaida MA, Tarmizi AB, Norhasimah M, Nor Atifah MA, Kannan TP, Azman B Z, Zilfalil BA., Ravindran Ankathil  
Buletin Persatuan Genetik Malaysia (2006) Jilid 12 (2); 5-6

**Deletion analyses of the SMN and NAIP genes in Malaysian patients with Spinal Muscular Atrophy.**

Watihayati MS, Zilfalil BA, Zabidi-Hussin AMH, Nishio H, Matsuo M  
Pediatrics International Journal (Japan), accepted for publication in  
Vol. 49, No.1, 2007,

**Genetic Basis of Cleft Lip and Palate; an overview**

Rajion ZA, Zilfalil BA

Malaysian Journal of Medical Sciences, accepted for publication,  
July 2006

**A report of a SNP EX3 1209A>G of Prostaglandin F receptor gene Among Malaysians.**

Nizam MZ, Hoh BP, Chieng LL, Cheong MT, Liza Sharmini AT,  
Zilfalil BA.

International Medical Journal (Japan), accepted for publication,  
Aug 2006

**A Novel Single Nucleotide Polymorphism, IVS2 -97A>T, in the Prostaglandin F2(alpha) Receptor Gene Was Identified among the Malaysian Patients with Glaucoma**

Hoh BP, Nizam MZ, Liza-Sharmini AT, Chieng LL, Cheong MT,  
Azman BZ, Zilfalil BA

Kobe Journal of Med Sciences, accepted for publication, Sept 2006

**Two cases of isochromosome 18q syndrome.**

S Pal, I Siti Mariam, R. Ankathil, Zilfalil BA

Singapore Med Journal, accepted for publication, Oct 2006

**Cytogenetic and clinical profile of Down Syndrome in North East Malaysia**

Azman BZ, Ravindran Ankathil, Siti Mariam I, Suhaida MA,  
Norhashimah M, Tarmizi AB, Nor Atifah MA, Kannan TP, Zilfalil BA

Singapore Medical Journal, accepted for publication, Dec 2006

**NAIP-genotype and the correlation with SMA phenotype in Malaysian SMA patients.**

Watihayati MS, Zabidi-Husin AMH, Tang TH, Zilfalil BA, Nishio H  
Kobe Journal of Med Sciences, accepted for publication, Dec2006

***Two cases of deletion 5p syndrome; one with paternal involvement and another with atypical presentation.***

*Azman BZ, Zilfalil BA, R Ankathil*

*Indian Pediatrics, submitted for review, Nov 2006*

**Turner's syndrome – A case of XO/XY**

TP Kannan, BZ Azman, AB Ahmad Tarmizi, MA Suhaida, Siti  
Mariam, A Ravindran, BA Zilfalil

Kobe Journal of Med Sciences, submitted for review, Dec 2006

**The effect of prostanoid receptor polymorphism in glaucoma patients**

Chieng LL, Nizam Z, Hoh BP, Zilfalil BA, Liza-Sharmini AT

Asian Journal of Ophthalmology 2006; Vol 8 (3) S1: 236

**The role of -20C and Gln 27 of beta 2-adrenoreceptor polymorphisms in glaucoma patients and their responsiveness to topical timolol**

Ong LB, Nizam Z, Hoh BP, Zilfalil BA, Liza-Sharmini AT

Asian Journal of Ophthalmology 2006; Vol 8 (3) S1: 323

**Cytogenetic Analysis As A Diagnostic Test For Fragile X Syndrome: Is It Confirmatory?**

Belques AMT, Tarmizi AAB, Siti Mariam I, Suhaida MA, Norhashimah M, Ravindran A, Zilfalil BA

The Malaysian Journal of Medical Sciences 2006, Vol 13 (S1): 89

**A Retrospective Analysis Of Chromosomal Abnormalities In Patients With Infertility And Primary Amenorrhoea At Human Genome Center, HUSM**

Sumita P, Siti Marian I, Suhaida MA, Ahmad Tarmizi AB,  
Norhashimah M, Ravindran A, Zilfalil BA  
The Malaysian Journal of Medical Sciences 2006, Vol 13 (S1): 90

**Nonrandom Dicentric (9;12) Translocation In Acute  
Lymphoblastic Leukemia- A Case Report**

Suhaida MA, Siti Mariam I, Azman BZ, Rosline H, Fazirah A, Nor  
Atifah MA, Zilfalil BA, Ravindran Ankhatil  
The Malaysian Journal of Medical Sciences 2006, Vol 13 (S1): 205

**Fluorescence In Situ Hybridation (FISH) Detection Of Chromosom  
15q11-Q13 Deletion In Prader-Willi And Angelman Syndrome  
Patients**

Nor Atifah MA, Siti Mariam I, Suhaida MA, Ravindran A, Zilfalil BA  
The Malaysian Journal of Medical Sciences 2006, Vol 13 (S1): 202

## **REPORT IN INTERNATIONAL DATA BASE**

**An outbreak of Pantoea in a neonatal intensive care unit  
secondary to contaminated parenteral nutrition:**

*Habsah H, Zeehaida M, Van Rostenberghe H, Noraida R, Wan Pauzi WI et al.  
listed in : Outbre@k worldwide data base at [www.outbreak-database.com](http://www.outbreak-database.com). (  
article was published earlier in J Hosp Inf 2005; 61: 213-218)*

## **RESEARCH AND ACADEMIC PAPERS PRESENTED**

**“DHPLC screening for UGT1A1 gene mutations”.**

*Surini Y, Van Rostenberghe H, Yusoff NM, Matsuo M, Nishio H: At  
International Networking of Young Scientists, in  
Universiti Sains Malaysia, 13<sup>th</sup> -15<sup>th</sup> Feb 2006*

**of of A(TA)<sub>7</sub>TAA, G71R, and G493R mutations of the UGT1A1 gene in a Malaysian population**

*Surini Y, Van Rostenberghe H, Yusoff NM, Talib NA, Ramli N, Ismail NZ, Ismail WP, Matsuo M, Nishio H. Frequencies Thirteenth Annual Congress of the Perinatal Society of Malaysia (16-19 March 2006) in Kuching, Sarawak.*

**“Neonatal outcomes correlated better with socio-economic parameter than with parameter reflecting educational level.”**

*H Van Rostenberghe, Noraida R, NL Lim and the NNR. Thirteenth Annual Congress of the Perinatal Society of Malaysia (16-19 March 2006) in Kuching, Sarawak.*

**“Evaluation of mutations effects on UGT1A1 activity toward 17β-estradiol using liquid chromatography-tandem mass spectrometry**

*Wada K, Van Rostenberghe H, Narazah MY, Ahmad Hamim S, Norlelawati AT, Surini Y, Nakamura H, Matsuo M, Nishio H. at the 6<sup>th</sup> Malaysian National Haematology Scientific Meeting: Focusing on the Advances in Haematology, Renaissance Hotel, Kota Bharu, Kelantan, Malaysia, 28<sup>th</sup> – 30<sup>th</sup> April 2006*

**”Association between the G71R mutation of the UGT1A1 gene and ABO incompatibility with negative direct Coombs test in Malay babies with neonatal jaundice “**

*Surini Y, Van Rostenberghe H, Narazah MY, Noraida R, Nik Zainal Abidin NI, Wan Pauzi WI, Matsuo M, Nishio H. : 11<sup>th</sup> National Conference on Medical Sciences at Universiti Sains Malaysia (Health Campus), 21<sup>st</sup> – 22<sup>nd</sup> May 2006*

**“ABO incompatibility with negative direct Coombs test in jaundiced neonates is associated with mutations in the UGT1A1 gene “**

*Surini Y, Van Rostenberghe H, Yusoff NM, Ramli N, Ismail NZ, Ismail WP, Matsuo M, Nishio H. 1st Penang International – Postgraduate Convention: 1<sup>st</sup> Health and Medical Sciences Conference, Universiti Sains Malaysia (Main Campus), 25<sup>th</sup> – 27<sup>th</sup> May 2006*

**“International Comparisons of the Paediatrics Specialty Training.**

*Zabidi-Hussin National Con-joint Board Examination and Assessment Reevaluation. 7<sup>th</sup> August 2006*

**“Combined Factor V and Factor VIII Deficiency:**

*Rusmawati Ismail. Wan Zaidah Abdullah. Ariffin Nasir, Norsarwany Mohamad.” A Case Report. Poster in Focusing On The advances in haematology. The 6<sup>th</sup> Malaysian National Haematology Scientific Meeting. Renaissance Hotel. Kota Bharu Kelantan. 28<sup>th</sup>-30<sup>th</sup> April.*

**“Mapping Areas of Children with Protein-Calorie Malnutrition Using the Geoinformation System (GIS) and Remote Sensing in Tumpat, Kelantan”**

*ZAMH Zabidi-Hussin  
PENSMa Biannual Conference, Academy of Medicine, Malaysia.*

**“Medical Education Standard: Translating Standards into Practice” .**

*Zabidi Hussin. International Congress of Medicine, Putrajaya 11- 13<sup>th</sup> August 2006*

**“Health GIS in Malaysia”**

*Zabidi Hussin, GIS for Public Health Seminar, Sheraton Subang Hotel, Kuala Lumpur 5<sup>th</sup> September 2006.*

**“Medical Education Accreditation in Malaysia, History, and Lessons Learnt”**

*Zabidi Hussin. International Islamic University, Malaysia.” 18<sup>th</sup> September 2006*

**“Medical and Surgical Specialties in Malaysia”**

*Zabidi Hussin Academy of Medicine Review of Medical June 2006*

**“Health status of prepubertal children born with a low birth weight “- A country report from Malaysia,**

*Nik Zainal Abidin Nik Ismail International Conference on Care of Children at Risk of Education Failure, Kuala Lumpur*

**Nasopharyngeal Carcinoma (NPC): A Histopathological Review**

Hasnita CH, Shamim AK, Narazah MY, James A, Hasnan J, Fauziah MI, Zilfalil BA

11th National Conference on Medical Sciences :In Rhythm with Nature' 20-21st May 2006

School of Medical Sciences,USM Health Campus, Kubang Kerian, Kelantan.

**The Influence Of Beta2-Adrenoreceptor Polymorphism On Spirometric Changes In Glaucoma Patients Receiving Topical Treatment**

Selva Raja V, Liza Sharmini AT, Nizam MZ, Hoh BP, Zilfalil BA

11th National Conference on Medical Sciences

In Rhythm with Nature' 20-21st May 2006

School of Medical Sciences,USM Health Campus, Kubang Kerian, Kelantan.

**The Establishment Of SNP Genotyping Of Malay Ethnic Population In Malaysia Using Microarray**

Hoh BP, Suzailin EH, Mohd Ros S, Zilfalil BA

11th National Conference on Medical Sciences

In Rhythm with Nature' 20-21st May 2006

School of Medical Sciences,USM Health Campus, Kubang Kerian, Kelantan.

**Genetic Variations Of Y-Chromosome Among Kelantanese Malay**

Nurul Ain MY, Hoh BP, Zilfalil BA

11th National Conference on Medical Sciences

In Rhythm with Nature' 20-21st May 2006

School of Medical Sciences,USM Health Campus, Kubang Kerian, Kelantan.

### **Quantification Of SMN Gene Copy Number Using Real-Time PCR**

Watihayati MS, Zilfalil BA, Sasongko TH, Tang TH, Zabidi Husin AMH, Nishio H

11th National Conference on Medical Sciences

In Rhythm with Nature' 20-21st May 2006

School of Medical Sciences,USM Health Campus, Kubang Kerian, Kelantan.

### **A Novel SNP In Prostaglandin F2 Receptor Gene And Its Association With Pressure Lowering Effect Of Topical Latanprost Among Glaucoma Patients: A Preliminary Report**

Nizam MZ, Hoh BP, Liza Sharmini AT, Chieng LL, Cheong MT, Zunaina E, Zilfalil BA

11th National Conference on Medical Sciences

In Rhythm with Nature' 20-21st May 2006

School of Medical Sciences,USM Health Campus, Kubang Kerian, Kelantan.

### **Comparison Of Genomic DNA Extraction From Blood And Buccal Swab**

Siti Aishah Z, Normastura AR, Mohd Khairi MD, Zafarina Z, Zilfalil BA

11th National Conference on Medical Sciences

In Rhythm with Nature' 20-21st May 2006

School of Medical Sciences,USM Health Campus, Kubang Kerian, Kelantan.

### **Application Of Polyacrylamide Gel Electrophoresis In Determining Y-Chromosomal Variations In The Malay Ethnic Groups From Kelantan**

Shazlin S, Hoh BP, Liza Sharmini AT, Zilfalil BA

11th National Conference on Medical Sciences

In Rhythm with Nature' 20-21st May 2006

School of Medical Sciences,USM Health Campus, Kubang Kerian, Kelantan.

**Identification Of MSX1 Gene Mutation In Kelantanese Patients With Various Types Of Non-Syndromic Cleft Lip And Palate**

Nurhanani AR, Wan Azman WS, Hoh BP, Zilfalil BA

11th National Conference on Medical Sciences

In Rhythm with Nature' 20-21st May 2006

School of Medical Sciences,USM Health Campus, Kubang Kerian, Kelantan.

**Identification Of Single Nucleotide Polyorphism (SNP) 153, 104 (A->G) Of Rb1 Gene In Malay Children With Retinoblastoma and Their Parents: An Early Finding**

Hanani AY, Hoh BP, Nur Shafawati AR, Zilfalil BA, Liza Sharmini AT

11th National Conference on Medical Sciences

In Rhythm with Nature' 20-21st May 2006

School of Medical Sciences,USM Health Campus, Kubang Kerian, Kelantan.

**Molecular Analysis Of Malaysian Patients With Duchenne Muscular Dystrophy Salmi AB, Watihayati MS, Zilfalil BA**

11th National Conference on Medical Sciences

In Rhythm with Nature' 20-21st May 2006

School of Medical Sciences,USM Health Campus, Kubang Kerian, Kelantan.

**The Possible Association Of Single Nucleotide Polymorphism (SNP) At 153,104 Of Rb1Gene With Laterality And Staging Of Retinoblastoma**

Nur Shafawati AR, Hoh BP, Hanani AY, Liza Sharmini AT, Zilfalil BA

11th National Conference on Medical Sciences

In Rhythm with Nature' 20-21st May 2006

School of Medical Sciences,USM Health Campus, Kubang Kerian, Kelantan.

### **Cri Du Chat Syndrome : Atypical Presentation**

Azman BZ, Suhaida MA, Siti Mariam I, Norhashimah M, Ahmad Tarmizi AB, Kannan TP, Ravindran Ankhatil, Zilfalil BA

11th National Conference on Medical Sciences

In Rhythm with Nature' 20-21st May 2006

School of Medical Sciences, USM Health Campus, Kubang Kerian, Kelantan.

### **Copy Number Analysis Of The Smn2 Gene In Type III Malaysian SMA Patients; A Preliminary Report**

Zilfalil BA, Watihayati MS, Nurshariza A, Tang TH, Zabidi-Husin AMH, Sasongko TH, Nishio H .

Presented at 15th Biennial Conference & Indo-Bangladesh

Friendship Society Meet 2006, 16-17 February 2006

China-Bangladesh Friendship Conference Center & BSMMU, Dhaka

### **Identification of a novel SNP in the PTGFR gene among glaucomatous patients.**

B.A. Zilfalil, M.Z. Nizam, B.P. Hoh, L.L. Chieng, A.T. Liza-Sharmini

HGM 2006 Human Genome Meeting

Helsinki, Finland, 31<sup>st</sup> May 2006-3 June 2006.

### **The possible association of -20C and Gln27 of beta-2 receptor adrenoreceptor polymorphisms in glaucoma patients and responsiveness of topical timolol.**

A.T. Liza-Sharmini, L.B. Ong, V. Selva-Raja, M.Z. Nizam, B.P. Hoh, B.A. Zilfalil

HGM 2006 Human Genome Meeting

Helsinki, Finland, 31<sup>st</sup> May 2006-3 June 2006.

### **Books**

***Penyakit Genetik Spinal Muscular Atrophy***

Dr.Zilfalil Bin Alwi, Professor Zabidi Azhar Mohd.Hussin  
Penerbit USM (2006), *in-press*

***Cytogenetic & Molecular Genetic Laboratory Guide Book***

Dr.Zilfalil BA, R Ankathil, Z Azman, MR Sidek, A Azlina, A  
Tarmizi, WH Shamshudin

**RESEARCH AWARD RECEIVED BY  
MEMBERS OF DEPARTMENT IN 2006**

**Structural Analysis of Environmental, Socio-demographic  
Determinants of Malnutrition in Children: A Study in Tumpat,  
Malaysia**

*Cheah WL, Zabidi-Hussin ZAMH, Manan WMW, Wang, YC.*

*Best Paper Award MAPASIA 2006 Queen Sirikit Convention Centre, Bangkok*

**Increased efficacy of phototherapy for neonatal  
jaundice using low-cost white reflecting curtains. Djokomuljanto**

*S, Quah BS, Surini Y, Noraida R, Nik Zainal ANI, HansenTWR, Van  
Rostenberghe H. Thirteenth Annual Congress of the Perinatal Society of  
Malaysia (16-19 March 2006) in Kuching, Sarawak.  
the young investigator award*