

**Pusat Penyedidikan Klinikal, Perak (CRC Perak)
Clinical Research Centre, Perak (CRC Perak)
ANNUAL REPORT 2008**

Research Committee

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Key Output/Achievement for 2008 (Summary)	
• 7 Publications/Manuscripts	• 10 Patient Registries Supported
• 57 Research Projects supported	• 33 Clinical Trial Feasibilities
• 10 Research Projects developed	• 126 NMRR Registrations
• 5 Research Training courses conducted	• 32 on-going Clinical Trials
• 60 Research Tutorials/Consultations	• 180 Research Projects in Perak for 2008

Introduction & Brief Historical Account

The CRC-Ipoh officially began functioning in March 2001. The CRC was initially based at the 9th floor of the hospital. The CRC secretariat was initially combined with the QA secretariat to maximise support staff. CRC Ipoh was shifted to 4th Floor, Kompleks Rawatan Harian (ACC Building) in year 2006. And on the same year the Network CRC was officially setup, 12 state hospitals include Hospital Raja Permaisuri Bainun Ipoh Perak were involved. The CRC us currently equipped with a network server and workstations to support research in the Perak region. CRC Ipoh was re-name CRC Perak in 2007 to reflect the role of supporting research in Perak state. CRC Perak is currently supported by 2 research officers and a research assistant.

Vision, Mission & Objectives

The vision of the Network CRC is to be a leading clinical research organization in Asia and it's mission is to improve patients' outcomes through quality clinical research.

The vision of the CRC Perak is to promote, support and conduct clinical research and training in research in Perak. The mission is to improve patients' outcomes through equipping medical staff with skills to conduct quality clinical research.

Objectives include:

1. To communicate to medical staff the basic principles of scientific method as applied to clinical research.
2. To disseminate skills in using the necessary methodology and statistical tools and techniques in designing and conducting clinical research.
3. To promote a culture of research among medical staff.

Development & Facilities

1. CRC Perak is housed at the Ambulatory Care Centre (ACC) since early 2006. This venue consists of training room, meeting room, more staff working area.
2. Upgraded IT facilities such server room, and also equipped with computers and broad band internet access, networking, antivirus, firewall, scanning, printing and video conferring.
3. Research officer and research assistant supporting:
 - a. Research registration (National Medical Research Registration, NMRR).
 - b. Assist in managing training such as Good Clinical Practice, HSR Perak state research workshop jointly organized with National Institute Health System Research and Perak state Health Department, Post Basic Research course jointly organize with Ipoh Nursing College and etc.
 - c. Promote training and workshop available nationally or internationally.
 - d. Support all registries available in Hospital Raja Permaisuri Bainun Ipoh Perak.
 - e. Support and assist clinical trial feasibility study.
 - f. Research study management and research update.
 - g. Research literature search.
 - h. Support local clinical trial base on demand from investigator or One Stop Centre (OSC)

Training, Courses & Research Presentations

Summary of Training Courses & Tutorial conduct by CRC Perak 2003-2008

	2003	2004	2005	2006	2007	2008
Research presentations meetings	2	2	3	3	2	7
Research Training courses*	6	7	7	9	9	5
Research Tutorials	45	54	64	80	75	60
Research Papers supported	39	44	54	51	55	57
Research Papers developed					10	10

*Training courses on research methodology (development of a project), HSR methodology, Data entry & Analysis, SPSS, GCP

CRC Perak also has a liaison and joint training with the Institute for Health Systems Research. The head for CRC Ipoh Hospital also sits on the National Advisory Board for Institute for Health Systems Research.

CRC Ipoh was involved or conducted 5 research courses, 7 research presentations and supported more than 57 research projects in 2008. More than 60 research tutorial sessions were held (these were the documented research many were still not captured).

All Known Research Conducted in Perak State 2008 by Type

(Resources from NMRR report, investigator self reporting)

#	Type of research	Number
1.	Clinical Trial	32
2.	Clinical Epidemiology	3
3.	Patient Registry	10
4.	Clinical Economics	-
5.	Health System Research	3
6.	Evidence Based Medicine	1
7.	All type of student research	131
	Total	180

Summary of Other Research Activities Supported by CRC Perak 2008

#	Type of research	Number
1.	Clinical Trial Feasibility	33
2.	NMRR Registration	126
3.	Patient Registries Supported	10

List of CRC Perak Summary of Key Activities for 2008

Date	Training Offered & Content
Jan-Dec 2008	60 research tutorial meetings were held (these were the documented ones). They involved various members of the hospital staff, departments, specialists, postgraduate students, paramedics, medical students and others in the state who required research project development, analysis or report writing. There was also active involvement of the CRC in hospital and state level QA projects and training.
11 January 2008	Neonatal Post Basic 2007 research finding Presentation
18 Jan 2008	HSR (2007) State Research finding presentation. 6 research papers presented to the Perak State Health Department Director Dato' Dr Hj Ahmad Razin B. Dato' Hj. Ahmad Mahir and Institute Health System Research Director Dr Maimunah Abdul Hamid. Jointly organised with Perak State Health Department.
27-29 Feb 2008	Paediatric Post Basic 2008 research course Part 1 - Course on "Developing a research proposal and research tools" (included developing objectives, research methodology, variables, sample size, questionnaire design, literature review, use of the internet in research, etc). 10 participants were trained. Teaching was by lectures and the design of research proposals. Specialists, CRC staff and nursing tutors were the trainers (ration of trainers to participants was 1:2). 3 research proposals were developed. Jointly organised with Ipoh Nursing College for post basic Paediatric nurses.
10-12 March 2008	HSR (2007) research writing workshop – Manuscript writing for 4 research papers of HSR 2007 State Research. Jointly organised with Perak State Health Department
22 April 2008	Medical Safety study meeting. Interdisciplinary study of Patient Safety Incidents and Medical Errors in Malaysian MOH facilities – Inpatient Care. Jointly organised with National Institute Health System Research
7-9 May 2008	Paediatric Post Basic 2008 research course Part 2 - Course on "Data analysis and Report writing" (included basic analysis of data, tests for statistical significance, use of programmes for data analysis, displaying data in figures and tables, discussion, writing recommendations, etc). 10 participants were trained. Teaching was by lectures and the analysis of data from research proposals. Specialists, CRC staff and nursing tutors were the trainers (ration of trainers to participants was 1:2). 3 research proposals were completed. Jointly organised with Ipoh Nursing College for post basic Paediatric nurses
21 May 2008	Practical session on Abstract Writing for Perak State scientific paper presentation. 32 scientific papers were reviewed by qualified researchers and assisted in writing an abstract.
26-30 May 2008	HSR State (2008) Research Workshop (Part 1). Course on "Developing a HSR research proposal and research tools" (included developing objectives, research methodology, variables, sample size, questionnaire design, literature review, etc). 18 participants were trained from Perak and Johor. 4 research proposals were developed. Jointly organised with Perak State Health Department & and National Institute for Health Systems Research. All research proposals were presented to the Director of National Institute for Health System Research.
19 June 2008	Briefing on research for nurses in Hospital Raja Permaisuri Bainun Ipoh, Perak
27 June 2008	Vaccine Study Workshop. Jointly organised with National Institute Health System Research
4 July 2008	Paediatric Post Basic 2008 research finding Presentation
7-9 July 2008	Good Clinical Practice Workshop. Jointly organized with Malaysian Biotechnology Corporation Sdn. Bhd.
12 September 2008	HSR (2008) State Research progress meeting. Jointly organised with Perak State Health Department.
10 October 2008	MC1196 Study Initiation Site Visit. Organised with PRU CRC HKL.

List of support for Research Projects by CRC Perak

CRC-Perak has supported **57** research projects. Support was given in the areas project proposal development, sample size calculation, development of databases, data analysis, statistics and report writing. The list below is not comprehensive but includes the ones where more support was given. Many projects were support in statically analysis but not listed below.

	Research Project	Support Provided			
		Project Proposal Development	Data Analysis & Statistics	Report / Manuscript Writing	Abstract Writing
1.	Liliwati I., M. Muthulakshmi, Ruzita M., Atikah H., Raztmona Lyza M.N., Zulkepli H., Ruzita Mustafa, Amar-Singh HSS, Sondi Sararaks, Ranjit-Kaur. To Improve Blood Pressure control in Type 2 Diabetic patients in District of Hilir Perak.			√	√
2.	Zarina Baharin, Fauziah Ahmad, Syah Izaini Khalib, Yap Sheau Huey, Ecik Mohd Redzuan Zakri, Morni Fauziah Ahmad, Marina Kamaruddin, Ranjit Kaur, Amar-Singh HSS, Sondi Sararaks, Asmah. Adequacy of out-patient management of essential hypertension in selected primary health clinics in Perak			√	√
3.	Umi Hani Mohd Asmawi, Mohd Rohaizad Zamri, Mohd Fadhli Samsuri, Sabab Hashim, Maimunah Ahmad, Liliwati Ismail, Ranjit Kaur, Amar-Singh HSS, Sondi Sararaks, Asmah. Improving the knowledge on oral hypoglycaemic medications among type 2 diabetic patients in OPDs at Hilir Perak			√	√
4.	Abdul Karim Mohamed, Awisul Islah Ghazali, Chiew Geok Ping, Mohd Ikhwan Mohd Rusli, Shafina Mohd Yunus, Syed Mud Puad Syed Amran, Ranjit Kaur, Amar-Singh HSS, Sondi Sararaks, Asmah. An Evaluation of the Effectiveness of the Diabetic Foot Program in Primary Care Setting in Larut Matang and Selama			√	√
5.	Satnam Kaur, Paranthaman V, Nafiza Mat Nasir, Jean-Li Lim, Vinthakumaran Muniandy, Amar-Singh HSS, Ranjit Kaur, Sondi Sararaks, Asmah. Effective implementation of a structured psychoeducation programme among caregivers of schizophrenia patients in the community			√	√
6.	Habibullah Mohd Khatib, Nurhayati Isa, Paramaisvary Parasuraman, Sabaridah Ismail, Sebrina Su, Thong Kah Mean, Zawiyah Yusof, Narwani Hussin, Ranjit Kaur, Amar-Singh HSS, Sondi Sararaks, Asmah. The Involvement of Lay Educators In Diabetic Control Of Type 2 Diabetic Patients			√	√
7.	Saerah Shahuuddin, Sheleaswani Inche Zainal Abidin, Ainul Salhani Abdul Rahman, Kulandaimmal Lourdusamy, Rosmaini Alang Abdul Majid, Asmah Zainal Abidin, Normah Mohd Zain, Ranjit Kaur, Amar-Singh HSS, Sondi Sararaks, Asmah. To study the effectiveness of an intervention program among overweight and obese school children in the district of Kinta			√	√
8.	Siti Salina Sayuti, Noor Aslinda Ummi Awang Besar, Kayathri Panjavaranam, Onn Mohd. Jadi, Abd. Wahid Sudin, Asiah Ayob, Ranjit Kaur, Amar-Singh HSS, Sondi Sararaks, Asmah. An evaluation of the implementation of the malaria prevention and control strategies in Orang Asli in Perak			√	√
9.	Gopal-Krishnan Sheila, Sondi Sararaks, Amar-Singh HSS, Lidwina EA, Yusof MI, Ranjit KPS, Azman AB, Faridah AB, Mary C Boyou, Maimunah AH, Kok JL, Toh TH, Noorizah M, Wong SL, Krishnan. Vaccine storage in private practice: A community Trial in Malaysia.		√	√	√
10.	Chin Saw Sian, Amar-Singh HSS. Awareness and knowledge of United Nation Convention on the Rights of the Child among children and their parents or carers in Malaysia.	√	√		
11.	Chin Saw Sian, Amar-Singh HSS. Awareness and knowledge of United Nation Convention on the Rights of the Child among Doctors Working with Children in Malaysia	√	√		
12.	Mitchel Clark, Amar-Singh HSS, Lina Hashim. Child Well-being in Ipoh Malaysia: An Initial Evaluation using the Personal Wellbeing Index (School Children)	√	√	√	

	Research Project	Support Provided			
		Project Proposal Development	Data Analysis & Statistics	Report / Manuscript Writing	Abstract Writing
13.	Che Mahadi CK, Mohd Shahrizal MD and Wan Nor Amilah WAW. A preliminary study on urine culture samples received in Microbiology Laboratory, Ipoh Hospital				√
14.	Ghani HP, Japaraj RP, Mukudan K. Mothers' perception on the important of antenatal ultrasound.				√
15.	Teng Ai Leng. Work-related Musculoskeletal Disorders (WRMDs): A small scale survey on physiotherapists in Perak, Malaysia.				√
16.	Noor Hayati Bt Kamaruddin, Hashimah Bt Jamaluddin, Catherine Choong, Faridah Ahmad. The Effectiveness Of Preventive Measures Taken To Prevent Inpatients from Accidentally Falling In Hospital Seri Manjung				√
17.	Kogilavani Krishnan. Low Back pain and Associated Factors Among Nurses In Hospital Kuala Kangsar				√
18.	Chong LC, Shiamini K, Ahmad Toha, Norain Karim. The Impact of Centralization & Networking of Service in Perak – The Ipoh Hospital Experience				√
19.	Rozita Mohd Ghazali, Chua Lai Lian, Foo Kooi Choo, Khalid Sirun, Nor Azmi Rahmat. Quality Of Mobile Chest Radiographs Done During Office Hours In The Diagnostic Imaging Department, Hospital Ipoh				√
20.	Asiah Abd Majid, Hari Mohan. A Study to Assess The Awareness And Knowledge Of Computer Usage Among Nurses In Hospital Teluk Intan.				√
21.	Maslina Isa, Norazira Mhd Ghazali. Nutrition Support for a Hyponatremia Patient with Old Cerebral Vascular Accident – A Case Report				√
22.	Annie Leong, Tan Hock Lang. Type II Diabetic Patients' Opinion on Insulin Therapy and Knowledge of Diabetes				√
23.	Kamaliyah Ramli. Effects of Rheumatoid Arthritis Disease on Female Patient's Performance in Cooking Activity- Patient's Experience				√
24.	Aishah Tajuddin, Roziwati Ramli, Noraini Sharif. Usage of Hospital Made Eye Pads and its Acceptance by Mothers.				√
25.	Aznani Ismail. Impact of Occupational Therapy on Carpal Tunnel Syndrome.				√
26.	Theilagavathy G, Awisul G. Intrathecal Morphine for Post LSCS Pain Management				√
27.	Hasnah Hassan, Hafizah Hassan, Alizan Hussain, Juhaida Shamsuddin, Alvin Chang Tan Saw Cheang. Improving Maternal Understanding on how to Develop a Relationship with their Sick Newborn				√
28.	Adi Osman, M.Najib Adnan, Azman Omar, Mat Isa Shaari. Mis-Triage in Trauma & Emergency Department, Hospital Ipoh, Perak				√
29.	Noraini, Roziwati, Aishah. Mothers' Feelings at the time of Babies' Admission to Special Care Nursery and after 24 to 48 hours in the SCN.				√
30.	Nurul Liyana Teong. Randomised Controlled Trial on Scapular Protraction Exercise gives Immediate Pain Relief and Increase Range of Motion in a Painful Hemiplegic Shoulder.				√
31.	Santhi Verasingam, Norani Mohamad, Siti Norliana Miskon, Dindu Ulin, Jeyaseelan N. Implementation of polythene bag during resuscitation of preterm neonates				√
32.	Norfauziah Hashim, Wong Ah Khuan. Prescribing Patterns at Outpatient Pharmacy Department, Teluk Intan Hospital				√
33.	Chen Pei Yean. Quality of Life in Patients with Knee Osteoarthritis Attending Physiotherapy Treatment				√
34.	Fadzle Hashim, Hayati Alwani Yahya, Udaya Shankar, Noor Hayati Kamaruddin, Faridah Hanim Sulaiman. The Occurrence Of Haemolysed Blood Specimens In Hospital Seri Manjung				√
35.	Abdul Aziz Mohd Nor. Relationship between Job Stress, Job Satisfaction and Propensity to Leave Among the Paramedics.				√

	Research Project	Support Provided			
		Project Proposal Development	Data Analysis & Statistics	Report / Manuscript Writing	Abstract Writing
36.	Rajasavary LV. Response to Short Wave Diathermy Treatment In Supraspinatus Tendonitis.				√
37.	Kadir Hj. Ithnin , Bainon Daud, Sabariah Mat Nor ,Norain Karim. Specimen Rejection, In Hospital Laboratory Causes and Implication.				√
38.	Nur Azalena Jimmy Abdullah, Ida Marhainis Isahak, Kalaichelvi Muthiah. Spurious WBC Count on Haematology Analyser – A Case Report				√
39.	Ho Kam Leng, Sabab Hashim, Govindasamy, Mat Aroff, Redzuan. Assessing the turn-around-time of the integrated pre-analytical and analytical modular system				√
40.	Valsala Kumari, Zaleha, Ida Marhainis, Kalaichelvi. Pre-analytical Venous Blood Sampling in Transfusion Practices Demand Improvement				√
41.	Low Chin Liang, Ahmad Hussain, Gracy Eugustine, Noor Aziah Mohd Daud, Sivaneswaran, Shamsul Kamal, Yusnaida Hj. Yahya, Lee Weng Onn, Sabrina Azira. To Assess Contributing Factors to High Film Rejection Rate due to Human Factor				√
42.	Norsafiza Saubari, Zarina Mohd Napih, Nurshuhaida Idris, Lee Sok Yee, Amar-Singh HSS. Care of the Chronically Ill Dying Child and their Parents by Health Care Professionals	√	√	√	√
43.	Lim Kah Bee, Nor Lelawati MK, Noor Hasaniyah H, Aina Juana MA, Cham Weng Tamg, Amar-Singh HSS. Preventing High Risk Situations of Needle Stick Injury among Health Care Professionals	√	√	√	√
44.	Ruzaiti Ahmad Rajidin, Foo Chiz Chian, Norlia Abd Azani, Rosemarina Massor, Chew Eng Lai. Ability of children and parents/guardians in managing chronic asthma	√	√	√	√
45.	Tan Cheng Cheng, Tan Chee Chin, Maria Lee Hooi Sean, Norazim Yunos, Chua Hock Hin, Ranjit Kaur, Amar-Singh HSS, Sondi Sararaks, Asmah Zainal Abidin. Clinical effectiveness of continuous infusion of β -lactam antibiotics compared with intermittent bolus dosing in intensive care acquired septic patients: a multi-center randomized controlled trial.	√			
46.	Noor Asmah Ahmad Shah Azizi, Wan Asmuni Wan Mohd. Saman, Ong Kuo Ghee, Koh Kean Yau, Nortijah Zakaria, Marina Kamaruddin, Ranjit Kaur, Amar-Singh HSS, Sondi Sararaks, Asmah Zainal Abidin. Health seeking behaviour among foreign workers in industria sector in Kinta district and agriculture sector in Kuala Kangsar and Hulu Perak districts, Perak Malaysia.	√			
47.	Shahnul Kamal Hj Sidek, Siti Khadijah Hawari, Teng Kok Seng, Normah Mohd Zin, Zainab Noordin, Paranthaman V, Ranjit Kaur, Amar-Singh HSS, Sondi Sararaks, Asmah Zainal Abidin. Improving asthma care in Ministry of Health Primary care clinics.	√			
48.	Affendi B Yusuf, Lina Bt Hashim, Puah Hong Meng, Shoba Pathmanathan, Vishanthri Kulasingam, Ranjit Kaur, Amar-Singh HSS, Sondi Sararaks, Asmah Zainal Abidin, Sebrina Su. Home safety practices for prevention of poisoning in young children.	√			
49.	Fatin Fariyah Wan Ahmad Nasir, Ozdianalifah Omar, Uma Devi, Shahzana Dahlia Rhasbudin Shah, Amar-Singh HSS. Evaluation of the Perak neonates and paediatric patients retrieval unit.	√	√	√	√
50.	Ganamani Pilavendran, Chong Seok Im, Ananthi Subramaniam, Hamizan Mat Akhir, Chew Eng Lai, Amar-Singh HSS Improving Parent Preparedness to Care for their Preterm Neonates after Discharge from the Special Care Nursery and NICU	√			
51.	Nalini Selveindran, Wong Wei Yin, Khadijah Che Don, Amar-Singh HSS. The Lifespan of Peripheral Intravenous Lines in Pediatric Patients.	√	√	√	√
52.	Revathi Rajagopal, Amar-Singh HSS, Nor Azlina Abd Rashid, Mohd Shaffie bin Baba, Thong Meow Keong. The Prevalence of Osteopenia and Rickets of Prematurity in Very Low Birth Weight Infant Admitted to Neonatal Intensive Care Unit Ipoh Hospital	√			√
53.	Joyce Darshinee, Jagjit Kaur Sidhu, Jeyaseelan P. Nachiappan, Amar-Singh HSS, Koh Mia Tuang. Hearing Loss In High Risk Neonates In Paediatric Department, Ipoh Hospital	√			

	Research Project	Support Provided			
		Project Proposal Development	Data Analysis & Statistics	Report / Manuscript Writing	Abstract Writing
54.	Normala Sami. Pengaruh umur terhadap pengukuran fungsi visual spesifik.		√		
55.	Wong Yim Chan. A cross sectional study on parents understanding of the genetics & health problems associates with down syndrome.	√	√		
56.	Cornelius Tan. ASA VS Standard wound classification for predicting surgical wound infection		√		
57.	Sivakumar Krishnasamy. A prospective randomized study of Laparoscopic VS open inguinal Hernia repair.		√		

List of Clinical Trials, Community Trials & Major Clinical Research at Perak State 2008

Key Research Topic	Research Location	Researchers & Facilitators	Type of Research	Status
Health seeking behaviour among foreign workers in industria sector in Kinta district and agriculture sector in Kuala Kangsar and Hulu Perak districts, Perak Malaysia.	Kinta District	Noor Asmah Ahmad Shah Azizi, Wan Asmuni Wan Mohd. Saman, Ong Kuo Ghee, Koh Kean Yau, Nortijah Zakaria, Marina Kamaruddin, Ranjit Kaur, Amar-Singh HSS, Sondi Sararaks, Asmah Zainal Abidin	Epidemiological research	Ongoing
Improving asthma care in Ministry of Health Primary care clinics.	Kinta District	Shahnul Kamal Hj Sidek, Siti Khadijah Hawari, Teng Kok Seng, Normah Mohd Zin, Zainab Noordin, Paranthaman V., Ranjit Kaur, Amar-Singh HSS, Sondi Sararaks, Asmah Zainal Abidin	Community Trial	Ongoing
Home safety practices for prevention of poisoning in young children.	Kinta and Manjung District	Affendi B Yusuf, Lina Bt Hashim, Puah Hong Meng, Shoba Pathmanathan, Vishanthri Kulasingam, Ranjit Kaur, Amar-Singh HSS, Sondi Sararaks, Asmah Zainal Abidin, Sebrina Su	Community Trial	Ongoing
A Randomized, Double-Blind, Active-Controlled, Multicenter Study of Patients with Primary Hypercholesterolemia and High Cardiovascular Risk and not Adequately Controlled with Atorvastatin 20 mg: A Comparison of Switching to a Combination Tablet Ezetimibe/Simvastatin (10mg/40mg) versus Doubling the Baseline Dose to Atorvastatin 40 mg	Klinik Kesihatan Jelapang, Klinik Greentown, Centre for woundcare & hyperbaric medicine	Dr Paranthaman V., Dr Sree Kantan Nayar PKS Nayar	RCT	Ongoing
A 78 week open label extension to trials assessing the safety and efficacy of BI 1356 (5 mg) as monotherapy or in combination with other antidiabetic medications in type 2 diabetic patients.	Taiping Hospital, PKD Kinta, Klinik Greentown, Centre for woundcare & hyperbaric medicine	Dr Ang Choong Lip, Dr Cheah Wee Kooi, Dr G.P Letchuman Ramanathan, Dr Ng Kee Sing, Dr Ng Theng Hean, Dr Paranthaman V., Dr Sree Kantan Nayar PKS Nayar	RCT	Ongoing
A Phase 3, Randomized, Double-Blind, Placebo-Controlled, Multi-Center Study to Evaluate Safety and Efficacy of PHX1149T as Monotherapy in Subjects with Type 2 Diabetes Mellitus	Klinik Kesihatan Greentown	Dr Paranthaman V., Dr Sree Kantan Nayar PKS Nayar, Dr Usha Devi Bramanand	RCT	Ongoing
A Phase IIb/III, Multicenter, Randomized, Double-Blind, Placebo-Controlled Dose-Range Finding Clinical Trial of MK-0941 in Patients With Type 2 Diabetes Mellitus With Inadequate Glycemic Control on Insulin	Taiping Hospital	Dr Cheah Wee Kooi, Dr G.P Letchuman Ramanathan, Dr Ng Theng Hean,	RCT	Ongoing
Evaluation of the safety and efficacy of RGH-188 in the acute exacerbation of schizophrenia	Hospital Raja Permaisuri Bainun, Ipoh Hospital Bahagia Ulu Kinta	Dr Bilbi Kaur Chingara Singh, Dr Cheah Yee Chuang, Dr Esther G. Ebenezer, Dr Loo Tak Wah, Dr Minn Soe, Dr Raba'iah Mohd Salleh, Dr Satnam Kaur Harbhajan Singh, Dr Sonia Devadas, Dato' Dr Suarn Singh Jasmit Singh	RCT	Ongoing
A Phase 3, Randomized, Placebo-Controlled, Blinded, Multicenter Study of the Induction and Maintenance of Clinical Response and Remission by MLN0002 in Patients with Moderate to Severe Ulcerative Colitis	Hospital Raja Permaisuri Bainun, Ipoh	Dr Brian Cheong Mun Keong, Dr Shanthy Palaniappan	RCT	Ongoing
A multi centre, open label, parallel group, randomized controlled trial to compare the safety and efficacy of oral	Hospital Raja Permaisuri	Dr Indralingam Vaithilingam, Dr Lim Chong Hong, Dr Teo Sue Mei	RCT	Ongoing

Key Research Topic	Research Location	Researchers & Facilitators	Type of Research	Status
Paricalcitol versus oral Calcitriol in the treatment of secondary hyperparathyroidism in chronic kidney disease patients undergoing dialysis.	Bainun, Ipoh Taiping Hospital			
A Phase III, Multicentre, Open Label, Flexible dose, Long term Safety Study of MCI-196 in Chronic Kidney Disease Stage V Subjects on Dialysis with Hyperphosphataemia (incorporating a Comparison with Sevelamer).	Hospital Raja Permaisuri Bainun, Ipoh Taiping Hospital	Dr Foo Siu Mei, Dr Indralingam Vaithilingam, Dr Lim Chong Hong, Dr Teo Sue Mei	RCT	Ongoing
A Phase III, Multi-centre, Double-blind, Randomised, Placebo - controlled, Multiple Fixed-dose Study of MCI-196 versus Placebo in Chronic Kidney Disease Stage V Subjects on Dialysis with Hyperphosphataemia and Dyslipidaemia (Incorporating Two Parallel High Dose Groups)	Hospital Raja Permaisuri Bainun, Ipoh Taiping Hospital	Dr Foo Siu Mei, Dr Indralingam Vaithilingam, Dr Lim Chong Hong, Dr Teo Sue Mei	RCT	Ongoing
A randomized, double blind, placebo controlled study evaluating the glycemic effect of rimonabant added to metformin in patients with type 2 diabetes insufficiently controlled with metformin monotherapy	PKD Kinta, Klinik Kesihatan Greentown	Dr Paranthaman V., Dr Sree Kantan Nayar PKS Nayar, Dr Usha Devi Bramanand	RCT	Ongoing
Perineal cold pads vs first line oral analgesic in the relief of post partum perineal wound pain and encouragement of early ambulation.	Hospital Raja Permaisuri Bainun, Ipoh	Dr Japaraj Robert Peter, Dr Ravinderjit Kaur Nagindar Singh, Dr Vairavan@Ramesh L Velayudham	RCT	On Going
A 76 Week, Worldwide, Multicenter, Double-Blind, Randomized Placebo Controlled Study to Assess the Tolerability and Efficacy of MK-0859 When Added to Ongoing Therapy with A Statin in Patients with Hypercholesterolemia or Mixed Hyperlipidemia	Taiping Hospital	Dr Cheah Wee Kooi, Dr G.P Letchuman Ramanathan	RCT	Ongoing
An outcome research on the impact of a disease management program (COACH) on the attainment of better Cardiovascular risk control in dyslipidemic patients at primary care centre (Disseminate)	Klinik Chong Klinik Kesihatan Bagan Serai Klinik Kesihatan Lenggong	Dr Chong Kuck Meng, Dr Fauziah Ahmad, Dr Sofiah Zainal Abidin	RCT	Ongoing
A randomised, double-blind, placebo-controlled parallel group efficacy and safety study of BI1356 (5mg administered orally once daily) over 24 weeks in drug naive or previously treated (6 weeks washout) type 2 diabetic patients with... (continue)	Taiping Hospital, PKD Kinta, Klinik Kesihatan Greentown	Dr Cheah Wee Kooi, Dr G.P Letchuman Ramanathan, Dr Leong Hui San, Dr Paranthaman V., Dr Sree Kantan Nayar PKS Nayar	RCT	Ongoing
A long-term, open-label, flexible-dose, extension study evaluating the safety and tolerability of Lu AA21004 in patients with Major Depressive Disorder	Hospital Raja Permaisuri Bainun, Ipoh	Dr Esther G. Ebenezer, Dr Minn Soe	RCT	Ongoing
A one-year multinational, multi-centre, randomised, double-blind, parallel-group, fixed-dose, bifeprunox study combining a 12-week placebo-controlled, quetiapine-referenced phase with a 12-month quetiapine-controlled phase in patients with schizophrenia.	Hospital Bahagia Ulu Kinta	Dr Loo Tak Wah, Dr Raba'iah Mohd Salleh, Dr Raziffah Abdul Rahman, Dr Satnam Kaur Harbhajan Singh, Dato' Dr Suarn Singh Jasmit Singh	RCT	Ongoing
Clinical Study ID 11613A A double-blind, randomised, parallel-group, placebo-controlled study of the safety, tolerability and efficacy following sequential dose regimens of Lu 31-130 to patients with schizophrenia	Hospital Bahagia Ulu Kinta	Dr Ahmad Syukri Chew Abdullah, Dr Loo Tak Wah, Dr Satnam Kaur Harbhajan Singh, Dato' Dr Suarn Singh Jasmit Singh	RCT	Ongoing
A randomized, double-blind, placebo controlled, multicentre prospective dose-finding Phase II/III study with atacicept given subcutaneously to subjects having recently experienced a flare of systemic lupus erythematosus (SLE)	Medical Department, Hospital Raja Permaisuri Bainun	Dr Wahinuddin Sulaiman, Dr Ong Seu Ping	RCT	Ongoing
A randomized, double-blind, controlled study on the safety and efficacy of Golimumab in subject with Rheumatoid Arthritis with or without Methotrexate	Medical Department, Hospital Raja Permaisuri Bainun	Dr Wahinuddin Sulaiman, Dr Ong Seu Ping	RCT, Phase II/III	Ongoing
A randomized, open label study in the Asia Pacific Region comparing the safety and efficacy of Etanercept with usual DMARD therapy in subject with RA	Medical Department, Hospital Raja Permaisuri Bainun	Dr Wahinuddin Sulaiman, Dr Fauziah Jaya	RCT, Phase IV	Ongoing
Rheumatoid Arthritis Project: Environmental Risk Factors of Rheumatoid Arthritis: Hospital Based Case-Control	Medical Department,	Dr Wahinuddin Sulaiman	Case control study	Ongoing

Key Research Topic	Research Location	Researchers & Facilitators	Type of Research	Status
Study. Collaboration with IMR, University of Karolinska Sweden, and Vietnam. (Jan 2004 – 2008)	Hospital Raja Permaisuri Bainun			
54 week double blind randomized placebo controlled parallel group study to study effects of rosiglitazone as adjunct therapy to acetylcholinesterase inhibitors on cognitive and overall clinical response in APOE E4 stratified subjects with mild to moderate Alzheimer disease.	Psychiatric Department Hospital Raja Permaisuri Bainun	Dr Esther G. Ebenezer, Dr Rajinder Singh	RCT	Ongoing
Randomized double blind placebo controlled parallel group study to evaluate the efficacy and safety of flexible dose Palliperidone ER in the treatment of subjects with Schizoaffective disorder.	Psychiatric Department Hospital Raja Permaisuri Bainun	Dr Esther G. Ebenezer, Dr Rajinder Singh	RCT	Ongoing
52 week multi center randomized double blind placebo controlled study to evaluate the efficacy safety and tolerability of an intramuscular depot formulation of Aripiprazole as maintenance treatment in schizophrenia – “ASPIRE US”	Psychiatric Department Hospital Raja Permaisuri Bainun	Dr Esther G. Ebenezer, Dr Rajinder Singh, Dr Bilbi Kaur Chingara Singh	RCT	Ongoing
52 week multi centre open label extension study to evaluate the effectiveness of Aripiprazole Intramuscular depot in Schizophrenia – ASPIRE Long term extension study	Psychiatric Department Hospital Raja Permaisuri Bainun	Dr Esther G. Ebenezer, Dr Bilbi Kaur Chingara Singh	RCT	Ongoing
A randomized double blind parallel group placebo controlled Duloxetine referenced fixed dose study evaluating the efficacy and safety of three dosages of Lu AA21004 in acute treatment of Major Depressive Disorder	Psychiatric Department Hospital Raja Permaisuri Bainun	Dr Esther G. Ebenezer, Dr Bilbi Kaur Chingara Singh	RCT	Ongoing
A 24 week multi center open label evaluation of compliance and tolerability once daily 10cm Exelon Patch Formulation in Patients with probably Alzheimer disease.	Psychiatric Department Hospital Raja Permaisuri Bainun	Dr Esther G. Ebenezer, Dr Bilbi Kaur Chingara Singh	RCT	Ongoing
KT LIKE study – Data review of patients treatment initiated with Olanzapine, Risperidone, Seroquel and Aripiprazole – 124 patients	Psychiatric Department Hospital Raja Permaisuri Bainun	Dr Bilbi Kaur Chingara Singh, Dato’ Dr N Raman, Dr Hardyal Singh, Dr Sonia Devadason, Dr Parkash Gunaselan, Dr Rakhee Sukhlan	Retrospective study	Ongoing
A prospective randomized study of Laparoscopic VS open inguinal Hernia repair	SOPD Hospital Raja Permaisuri Bainun	Dr Sivakumar Krishnasamy, Dr Selvan	Prospective randomized single blinded study	Completed
Is ASA classification a good predictor of post operative surgical wound infection	SOPD Hospital Raja Permaisuri Bainun	Dr Cornelius Tan, Dr Chan Chin Peng		Completed
Early access of TMC114 in combination with low dose Ritonavir plus other antiretroviral in highly treatment experience HIV infected subjects with limited to no treatment options.	Medical Department, Hospital Raja Permaisuri Bainun	Dr Ker Hong Bee	Early access program	Completed
A randomized, open label trial to compare the efficacy, safety and tolerability of Darunavir (DRV)/Ritonavir (Rtv) as 800/100 mg daily versus 600/100 mg twice per day in early treatment experienced HIV infected subjects.	Medical Department, Hospital Raja Permaisuri Bainun	Dr Ker Hong Bee, Dr Fauziah Jaya	RCT	Ongoing
Comparative activity of Carbapenam testing Etest study (Compact)	Medical Department, Hospital Raja Permaisuri Bainun	Dr Ker Hong Bee	Audit study	Ongoing
Symbicort ‘SMARTER’ Study, Open label multi centre phase V, Single arm local study.	Respiratory Clinic, Hospital Raja Permaisuri Bainun	Dr Rosalind Toh Beng Hong		Completed
SHARP – Study of Heart and Renal protection	Hemodialysis Unit Hospital Raja Permaisuri Bainun	Dr Teo Sue Mei, Dr Foo Siu Mei	RCT	Ongoing
Global Childhood Unintentional Injury Surveillance Manual: Interviews with caregivers of injured children arriving to emergency rooms. WHO	Accident and Emergency Department Hospital Raja	Dr Amar Singh HSS, Dr Nalini Selveindran, Dr Adi Osman	Epidemiology	Ongoing

Key Research Topic	Research Location	Researchers & Facilitators	Type of Research	Status
	Permaisuri Bainun			

List of Publication, Manuscript, Reports from CRC Perak 2008

	Publication or Manuscript	Responsible person in CRC	Related project and NMRR ID#	(JIF)
1.	Chan Lee Giak, Amar Singh HSS, Revathy Nallusamy, Teoh Yee Leong, Timothy L Ng, Hans L Bock. Epidemiology of intussusception in Malaysia: A multi-center 3 year review. Southeast Asian Journal of Tropical Medicine and Public Health September 2008 Vol 39 (5):848-855.	Amar-Singh HSS, CRC Perak	999910/223 (Sero-Epi-Intu-223)	
2.	Amar-Singh HSS. Editorial: Meeting the Needs of Children with Disability in Malaysia. Med J Malaysia, March 2008 Vol 63(1):1-3	Amar-Singh HSS, CRC Perak	Not relevant	
3.	V Paranthaman, Kaur Satnam, Jean-Li Lim, HSS Amar-Singh, Sondi Sararaks, Mat-Nasir Nafizah, Kaur Ranjit, Zainal-Abidin Asmah. Effective implementation of a structured psychoeducation programme among caregivers of patients with schizophrenia in the community. [Submitted to British Journal of Psychiatry]	Paranthaman, Amar-Singh HSS, CRC Perak		5.436
4.	Sebrina H C Su, Isa Nurhayati, Yusof Zawiyah, Parasuraman Paramaisvary, HSS Amar-Singh, Sondi Sararaks, Kaur Ranjit, Hussin Narwani, Zainal-Abidin Asmah, Jamalludin Mazilah, Abdul-Rashid Khairul Amir. Involvement of Lay Educators in Diabetic Control of Type 2 Diabetic Patients [Submitted to journal]	Amar-Singh HSS, CRC Perak		
5.	Baharin Zarina, Ahmad Fauziah, Khalib Syah-Izaini, Kamaruddin Marina, HSS Amar-Singh, Sondi Sararaks, Kaur Ranjit, Ahmad Morni-Fauziah, Zainal-Abidin Asmah. Improving Blood Pressure Controls in Primary Care Settings. [Manuscript ready, to be submitted]	Marina Kamaruddin, Amar-Singh HSS, CRC Perak		
6.	Z. Mohd-Rohaizad, M. A. Umi-Hani, S. Mohd-Fadhli, I. Liliwati, K. Ranjit, HSS Amar-Singh, Sondi Sararaks, Kaur Ranjit, Zainal-Abidin Asmah, M. Ruzita, H. Sabab, A. Maimunah. Improving Knowledge Of Type 2 Diabetes Mellitus On Oral Hypoglycaemic Agents. [Manuscript ready, to be submitted]	Amar-Singh HSS, CRC Perak		
7.	Gopal-Krishnan Sheila, Sondi Sararaks, Amar-Singh HSS, Lidwina EA, Yusof MI, Ranjit KPS, Azman AB, Faridah AB, Mary C Boyou, Maimunah AH, Kok JL, Toh TH, Noorizah M, Wong SL, Krishnan. Vaccine storage in private practice: A community Trial in Malaysia. [Manuscript ready, to be submitted to WHO Bulletin, awaiting lifting of embargo by KPK]	Amar-Singh HSS, CRC Perak		5.029
8.	Amar-Singh HSS, Azman Abu Bakar, Sondi Sararaks. The medical research handbook: Planning a research project	Amar-Singh HSS, CRC Perak	Not relevant	

List of Clinical Trial Feasibility Study support by CRC Perak for 2008

No	Feasibility description	Date of request	Investigator respond
1.	A 36-week, multicenter, double blind, placebo controlled randomized study of the efficacy and safety of two combinations of XX/YYYY for reducing A1c in the treatment of patients with type 2 diabetes mellitus who are not on current drug therapy	25-Jan 2008	2
2.	A phase III, randomised, double blind, parallel-group study of the efficacy and safety of oral direct thrombin inhibitor (DTI) bd compared to warfarin (INR 2.0-3.0) for 6 month treatment of acute symptomatic venous thromboembolism, following initial treatment (5-10 days) with a parenteral anticoagulant approved for this indication	1-Feb 2008	0
3.	A Phase III, Randomized, Active Comparator-Controlled Clinical Trial to Study the Safety and Efficacy of STUDY DRUG and comparator in Patients with Complicated Urinary Tract Infections	26-Feb 2008	1
4.	Two open-label, randomized, multicenter phase IIIb studies to assess the efficacy, safety and tolerance of XXX compared with plasma for rapid reversal of coagulopathy induced by coumarin derivatives.	14-Mar 2008	0
5.	Multicentre, Double-Blind, Randomized, 4-Arm, Comparative Study of Topically Applied XXXX, Vehicle (placebo), 0.005% Calcipotriol Monotherapy and 1.4% Nicotinamide Monotherapy, for Treatment of Adult Subjects with Chronic Plaque Psoriasis.	21-Mar 2008	1
6.	feasibility of various types of phase III clinical studies assessing the safety and efficacy of a novel drug in patients with MDD	31-Mar 2008	1
7.	COPD feasibility study	04-Apr 2008	1
8.	Knee arthritis feasibility study	16-Apr 2008	1

No	Feasibility description	Date of request	Investigator respond
9.	New Wet, neovascular AMD Clinical Trial Intravitreal VEGF Trap	2-May 2008	1
10.	Feasibility assessment for a multicenter, double blind, randomized, placebo controlled, study to evaluate the Long term Efficacy, safety, and tolerability of an Intramuscular Depot Formulation of Aripiprazole (OPC-14597) in patients with schizophrenia "US ASPIRE" (Aripiprazole Intramuscular Depot Program in Schizophrenia)	2-May 2008	2
11.	A phase ii, multicenter, randomized, double-blind, placebo-controlled trial evaluating the efficacy and safety of GDC-0449 as maintenance therapy in patients with ovarian cancer in 2nd or 3rd complete remission	5-May 2008	1
12.	A Multi-Center Study for the Collection of Surplus Surgical Tissue for Genomics, Proteomics and Biomarker Research (Surgical tissues Procurement)	12-May 2008	2
13.	Japanese Encephalitis Vaccine phase III trials-PAREXEL # 94152	26-May 2008	1
14.	TB drug development feasibility	2-Jun 2008	1
15.	Phase III double-blind placebo controlled study in the extended treatment of VTE	5-Jun 2008	3
16.	A Randomized, Double-blind, Placebo-controlled Study to Determine the Efficacy, Safety, and Tolerability of Denosumab in the Treatment of Subjects With Rheumatoid Arthritis Receiving Methotrexate	5-Jun 2008	1
17.	Sepsis & disseminated intravascular coagulation (Artisan – Art 123 study)	10-Jun 2008	2
18.	Double-blind, active-controlled (ex. Tamiflu) comparative study of a new anti-influenza agent in patients with influenza infection.	12-Jun 2008	2
19.	Myeloma feasibility study	25-Jun 2008	0
20.	Feasibility evaluation for a clinical trial program of a new SGLT2 inhibitor drug for the treatment of diabetes type 2	30-Jun 2008	2
21.	A Multi-centre, Randomized, Double-blind Placebo-Controlled Trial of supplementation with Fatty Acids in Children with Attention-deficit/hyperactivity Disorder (ADHD)	2-Jul 2008	1
22.	A prospective, open, single-arm, multicenter phase II clinical trial to evaluate the tumor response and safety In patients with advanced primary hepatocellular carcinoma treated With the Auron Misheil Therapy (AMT)	18-Jul 2008	0
23.	A Randomized, Multicenter, Phase 2 Study to Compare the Efficacy of Panitumumab in Combination With Oxaliplatin/ 5-fluorouracil/ Leucovorin to the Efficacy of Bevacizumab in Combination With Oxaliplatin/ 5-fluorouracil/ Leucovorin in Patients With Previously Untreated, KRAS Wild-Type, Unresectable, Metastatic Colorectal Cancer	18-Jul 2008	0
24.	Phase IIIB studies with an investigational DPP-IV inhibitor in Subjects with Type 2 Diabetes and either Moderate or Severe chronic renal insufficiency	28-Jul 2008	2
25.	Chronic Idiopathic Urticaria (CIU)	05-Aug 2008	1
26.	Overactive Bladder Feasibility Study	19-Aug 2008	1
27.	Schizophrenia trial feasibility	25-Aug 2008	2
28.	A phase III randomized, active-comparator controlled clinical trial to evaluate the effect of early treatment with Janumet (Fixed-Dose combination sitagliptin/Metformin) vs Metformin Monotherapy on the durability of glycemic efficacy in patients with type 2 DM.	23-Sep 2008	2
29.	A 12 week, multicenter, double blinded, randomized, placebo-controlled efficacy and safety study of XXX in adults with irritable bowel syndrome with constipation.	06-Oct 2008	1
30.	Imipenam use from all hospital pharmacy	10-Oct 2008	1
31.	Assess the efficacy and safety of clazosentan in decreasing vasospasm related morbidity and all cause mortality in adult patients with aneurysmal subarachnoid hemorrhage (aSAH) treated by endovascular coiling.	17-Oct 2008	1
32.	Moderate to severe chronic pain feasibility study	05-Oct 2008	1
33.	Chronic Kidney Disease	30-Oct 2008	1

National Medical Research Register registration support by CRC Perak for 2008.

No. of Researchers assisted for NMRR project registration	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Total
	0	12	0	0	0	0	0	1	7	58	39	9	126

Registries support by CRC Perak for 2008.

No.	Registry Name	Doctor In charge	CRC Support Status
1.	National Renal Registry (NRR)	Dr. Foo Siu Mei	Discussion
2.	National Eye Database (NED)	Dr. Poh Eu Ping	Ongoing (data entry)
3.	National Transplant Registry (NTR)	SN. Shima	In Progress
4.	National Neonatal Registry (NNR)	Dr. Azlina Abdul Rashid	In Progress
5.	National Cardiovascular Disease Database (NCVD)	Dato' Dr. K. Chandran	In Progress
6.	National Trauma Database (NTrD)	Dr. Adi Bin Osman	Discussion
7.	National Cancer Patient Registry (NCPR) – Hematology Malignancy	Dr. Padmini Menon	Ongoing (data entry)
8.	Malaysian Psoriasis Registry (MPR)	Dr. Tang Jhy Jong	In Progress
9.	National Orthopedic Hip Fracture Registry	Mr. Manoharan Krishnan	In Progress
10.	National Thalassaemia Registry	Dr Shoba Pathmanathan	Ongoing (data entry)

Key Problems & Suggestions

1. Much of the growth & development of the CRC-Perak is still limited by the availability of dedicated medical researchers and study coordinators. The centre requires the full complement of medical researchers and study coordinators as projected by the Pengarah of Rangkaian Pusat Penyelidikan Klinikal & MOH in earlier documents - a team of clinicians & paramedics interested to assist in research and training activities in Perak region.
2. Additional resources:
 - a. Improve networking with all registries in Hospital RPB
 - b. Availability of statically software (SPSS)
 - c. Improved access to electronic journal for use by researchers

Report prepared by Dr Amar-Singh HSS and Lina Hashim

19th December 2008