The Fourth ASEAN Congress of Tropical Medicine and Parasitology

Tropical Infectious Diseases and Vectors in a Vibrant and Ever-changing Environment

2 - 4 June 2010 Singapore











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P01	Development of a one-step SYBR green-based Real Time-PCR assay for rapid detection and quantification of Chikungunya virus infection Justin Jang Hann Chu (Singapore)
P02	Patterns of cytokines in disease progression of chikungunya fever patients Edward K. S. Ong (Singapore)
P03	Seroepidemiology of Dengue, Chikungunya and Rabies viruses at several outdoor breeding $f_{\alpha c_i}$ of nonhuman primates in Indonesia Rachmitasari Noviana (Indonesia)
P04	The serosurveillance of TORCH among pregnant women in Albania Alma Drishti (Albania)
P05	Tsunami in Sri Lanka: Risk of post-tsunami infectious disease outbreaks? Darshana Wickramasinghe (Sri Lanka)
P06	The early stage of pandemic influenza A(H1N1) at the Philippine General Hospital : A University Hospital experience Arthur Dessi Roman (Phillippines)
P07	Rapid development and validation of a one-step Real-Time RT-PCR assay for detection of the ne pandemic swine H1N1 2009 virus and quantification of viral load in patient samples Li Fang Kuah (Singapore)
P08	Mollusks of Phang-Ng Province, southern Thailand after the Indian Ocean tsunami Pusadee Sri-aroon (Thailand)
P09	Combination of protein sub-unit PILI 38 KDA Vibrio cholera 01 with toxin sub-unit B V. cholera can protect secretion water in small intestine mouse which is challenged by V. cholera 01 Sumarno (Indonesia)
P10	Mutagenicity of Thai canine foods Somchai Pooudoung (Thailand)
P11	No more needles! - the use of saliva for early dengue diagnosis and epidemiological studies Grace Yap (Singapore)
P12	Evaluation of a rapid assay for the detection of dengue nonstructural protein 1 (NS1) Scott Fry (Australia)
P13	Molecular survey of canine heartworm, Dirofilaria immitis by direct PCR in mosquitoes (Diptera: Alparslan Yildirim (Turkey)
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P15	Microscopic haematuria (MCHU) and its response to the national mass drug administration programme (MDA) in an endemic area of bancroftian filariasis in Matara, Sri Lanka

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P41 Measuring the amount of Evodia to develop a mosquito free room

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Lymphatic filariasis, also known as elephantiasis, remains a serious problem in West Java Province of Indonesia, Filaria Control Program conducted mass annual treatment of single dose Diethylcarbamazine (DEC) in endemic areas. Wuchereria bancrofti is the major agent of filariasis in this area and Culex quinquefasciatus the main vector. Individuals were also encouraged to actively participate in controlling the mosquito vector, the main vector. Individuals were also encouraged to actively participate in controlling the mosquito vector, the main vector. Individuals were also encouraged to actively participate in controlling the mosquito vector, the previous studies indicated that aside from geranium, zodia (Evodia suaveolens Scheff) plants, can also be Previous studies indicated that aside from geranium, zodia (Evodia suaveolens leafs required for used as a mosquito repellent. This study aimed to calculate the minimum Evodia suaveolens leafs required for used as a mosquito from entering a room. This research was an experimental study. To conduct the preventing Culex mosquito from entering a room. This research was an experimental study. To conduct the study, four major steps had been arranged i.e. (1) Breeding of Cx. quinquefasciatus mosquitoes as research object (2) Collecting Evodia suaveolens as research material; (3) Preparing rabbits as mosquito attractants; object (2) Collecting Evodia suaveolens as research material; (3) Preparing rabbits as mosquito attractants; (4) Assessing the dosage needed for a meter cubic room. Data were analyzed by correlation analysis. Result (4) Assessing the dosage needed for a meter cubic room. Data were analyzed by correlation analysis. Result (4) Assessing the dosage needed for a meter cubic room. Data were analyzed by correlation analysis. Result (4) Assessing the dosage needed for a meter cubic room.

P42 Larvicidal, pupicidal and smoke repellent properties of botanicals on malarial vector, *Anopheles stephens* Liston

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Mosquitoes are the most important group of insects in terms of public health significance. Despite many attempts to successfully eradicate them, they still co-exist with man and animals and transmit dreaded diseases like malaria, filariasis and dengue etc. Chemical insecticides to control mosquitoes were favoured so far. But they are non-selective and harmful to human beings and other beneficial organisms. Hence, this study aims to evaluate the larvicidal, pupicidal and smoke repellent toxicity effect of Andrographis paniculata, Cassia occidentalis and Euphorbia hirta on malarial vector, Anopheles stephensi. Methanolic extracts of plants showed considerable toxicity against 4th instars larvae and pupae of An. stephensi. Among the plant extracts and pupal stages. Field trials were conducted at the breeding sites of the An. stephensi and the percentage was due to the presence of plant compounds, anthraquinones and their derivatives, emodin glycosides, deoxydidehydroandrographolide (A. paniculata) and flavonol glycosides afzelin, quercitrin, and myricilin and it has been noted that the smoke exposed adult mosquitoes laid smaller number of eggs and progeny production was also affected.