

**PROCEEDINGS OF THE 33RD SEAMEO-TROPMED SEMINAR  
EMERGING PROBLEMS IN FOOD-BORNE PARASITIC ZOOZOSIS:  
IMPACT ON AGRICULTURE AND PUBLIC HEALTH**

---

CONTENTS

	Page
Preface .....	i
Foreword .....	ii
Keynote address: On emerging problems in food-borne parasitic zoonoses: Impact on agriculture and public health .....	1
.....C Khamboonruang	
The current status of food-borne parasitic zoonoses in Indonesia .....	8
.....C Kusharyono, S Sukartinah	
Current public health status of some food-borne parasitic zoonoses in Malaysia .....	11
.....KI Singh	
Food-borne parasitic zoonoses in the Philippines .....	16
.....SL Eduardo	
Current status of food-borne parasitic zoonoses in Thailand .....	23
.....T Ramasoota	
Current status of food-borne parasitic zoonoses in Singapore .....	27
.....M Singh, YE Hian, LH Chong	
Food-borne parasitic zoonoses in the People's Republic of China .....	31
.....XP Li	
Current status of food-borne parasitic zoonoses in India .....	36
.....BB Bhatia	
Current status of food-borne parasitic zoonoses in Hong Kong .....	42
.....RC Ko	
Current status of food-borne parasitic zoonoses in Japan .....	48
.....M Kamiya, HK Ooi	
Current status of food-borne parasitic zoonoses in Korea .....	54
.....CT Soh	
Current status of food-borne parasitic zoonoses in Laos .....	56
.....M Giboda, O Ditrich, T Scholz, T Viengsay, S Bouaphanh	
Current status of food-borne parasitic zoonoses in Taiwan .....	62
.....ER Chen	
Current status of food-borne parasitic zoonoses in the United States .....	65
.....PM Schantz, J McAuley	
Current status of food-borne parasitic zoonoses in Eastern Europe .....	72
.....K Cuperlovic	
Current status of food-borne parasitic zoonoses in West Germany .....	78
.....E Hinz	
Current status of food-borne parasitic zoonoses in Mediter-ranean and African regions .....	85
.....E Pozio	
Toxoplasmosis - An overview .....	88
.....JP Dubey	
Study on the prevalence of toxoplasmosis in Indonesia: A review .....	93
.....S Gandahusada	
Visual impairment and blindness in ocular toxoplasmosis cases .....	99
.....RS Kadarisman, M Marsetio, LB Simangunsong	
Review of toxoplasmosis in Malaysia .....	102
.....N Yahaya	
Pattern of antibodies in toxoplasmosis of pregnant women and their children in Thailand .....	107
.....T Chintana	
Epidemiology of swine toxoplasmosis in Taiwan .....	111
.....CN Chang, SS Tsai, M Kuo, JP Dubey	
Studies on the use of cobalt-60 irradiation to control infectivity of <i>Toxoplasma gondii</i> cysts .....	115
.....CC Song, XZ Yuan, LY Shen, XX Gan, JZ Ding, YF Duan	

Toxoplasmosis in Singapore .....	M Singh, J Wee, YE Hian, TYC Ee, CY Cheong, HL Chuen	120
Long term maintenance of <i>Toxoplasma gondii</i> (RH strain) in Vero cell line and use of harvested antigens for immunodiagnosis .....	K Suresh, JW Mak, HS Yong	124
Review of sarcocystosis in Malaysia .....	SP Kan, R Pathmanathan	129
Epidemiology and dignosis of sarcocystosis .....	M Perovic	135
Sarcocystis and sarcocystosis in India .....	PD Juyal	138
Sarcocystis in caribou ( <i>Rangifer tarandus terraenorae</i> ) in Newfoundland .....	RA Khan, D Fong	142
Isolation of parasites on fruits and vegetables .....	JW Bier	144
Epidemiology of marine fish-borne parasitic zoonoses .....	TL Deardorff	146
<i>Diphyllobothrium</i> , <i>Anisakis</i> , and other fish-borne parasitic zoonoses .....	TA Dick, BR Dixon, A Choudhury	150
Capillariasis philippinensis: A fish-borne parasitic zoonosis .....	JH Cross, V Basaca-Sevilla	153
Intestinal fluke infections in Southeast Asia .....	J Waikagul	158
Intestinal trematodes infecting humans in Korea .....	JY Chai, SH Lee	163
Differential diagnosis of Opisthorchiid and Heterophyid metacercariae (Trematoda) infecting flesh of cyprinid fish from Nan Ngum dam lake in Laos .....	T Scholz, O Ditrich, M Giboda	171
Serological differentiation of human small fluke infections using <i>Opisthorchis viverrini</i> and <i>Haplorchis taichui</i> antigens .....	O Ditrich, P Kopacek, M Giboda, J Gutvirth, T Scholz	174
Immunodiagnosis of opisthorchiasis .....	S Sirisinha, R Chawengkirtikul, R Sermswan	179
Clonorchiasis in Taiwan .....	ER Chen	184
Diagnosis of clonorchiasis by ELISA-inhibition test using a <i>Clonorchis sinensis</i> spicific monoclonal anitbody .....	TS Yong, KI Im, PR Chung	186
Snail borne parasitic zoonoses: Angiostrongyliasis .....	M Bhaibulaya	189
Clinical studies on angiostrongyliasis cantonensis among children in Taiwan .....	KP Hwang, ER Chen	194
Transmission of <i>Angiostrongylus cantonensis</i> through the giant African snail <i>Achalina fulica</i> : An experimental study .....	P Sithithaworn, WY Brockelman, C Brockelman	200
Echinostomiasis - - a snail-borne intestinal trematode zoonosis .....	WP Carney	206
Eating habits associated with <i>Echinostoma malayanum</i> infections in the Philippines .....	A Tangtrongchitr, RB Monzon	212
Historical review and current status of gnathostomiasis in Asia .....	Y Nawa	217
Gnathostomiasis in Thailand: A survey on intermediate hosts of <i>Gnathostoma</i> spp. with special reference to a new type of larvae found in <i>Fluta alba</i> .....	P Setasuban, S Nuamtanong, V Rojanakittikoon, S Yaemput, P Dekumyoy, H Akahane, S Kojima	220
<i>Gnathostoma</i> larva migrans among guests of a new year party .....	S Migasena, P Pitisitthum, V Desakorn	225
Specificity of antibodies in cerebrospinal fluid of human cerebral gnathostomiasis cases .....	N Morakote, N Nateewatana, W Navacharoen, S Jitpimolmard, V Chotmongkol, W Maleewong	228
Taeniasis-cysticercosis: An introduction .....	A Flisser	233

The situation of cysticercosis/taeniasis in animals/man in Bali .....	IGP Suweta	236
Taeniasis in Indonesia with special reference to Samosir Island, North Sumatra .....	AA Depary, ML Kosman	239
Five cases of neurocysticercosis diagnosed in Sydney .....	J Walker, S Chen, D Packham, P McIntyre	242
Asian <i>Taenia saginata</i> : Species or strain? .....	PC Fan	245
The differentiation of a newly described Asian taeniid from <i>Taenia saginata</i> using enzymatically amplified nontranscribed ribosomal DNA repeat sequences .....	DS Zarlenga	251
Some recent advances in the molecular characterization of <i>Echinococcus</i> and <i>Taenia solium</i> .....	DP McManuss, J Bowles, G Leggatt, E Garcia-Zepeda	256
Laboratory rodent models for the tapeworm-stage of <i>Taenia saginata</i> and other related taeniid species .....	M Kamiya, H Sato, M Kitaoka, K Ishiwata, Y Oku, M Ito, P Gathura	262
A recombinant immunodiagnostic antigen for bovine cysticercosis .....	ML Rhoads, DS Zarlenga, FM Al-Yaman	268
Treatment of human taeniasis in the Philippines: A review .....	AC Cruz	271
The treatment of neurocysticercosis with praziquantel .....	S Vanijanonta, D Bunnag, M Riganti	275
Clinical evaluation of albendazole and praziquantel in the treatment of cerebral cysticercosis .....	M Cruz, I Cruz, J Horton	279
Control of <i>Taenia solium</i> taeniasis and cysticercosis by focus-oriented chemotherapy of taeniasis .....	ZS Pawlowski	284
Cestode vaccines .....	MD Rickard	287
General introduction and epidemiology of trichinellosis .....	E Pozio, G La Rosa	291
Present status of trichinellosis in Japan .....	T Yamaguchi	295
Epidemiological survey of trichinellosis in Yugoslavia .....	A Marinculic, D Ropic, J Brglez, N Dzakula, D Stojiljkovic	302
Epidemiology of swine trichinellosis in Yugoslavia .....	K Cuperlovic	308
The present status of trichinellosis in Thailand .....	C Khamboonruang	312
The significance of changing trends in trichinellosis .....	CW Kim	316
Immunodiagnosis of swine trichinellosis .....	KD Murrell, DS Zarlenga	321
Detection of <i>Trichinella</i> by various methods in Yugoslavia .....	M Dordevic	326
Trichinellosis and trichinellosis control in Germany .....	E Hinz	329
Testing for food-borne parasites, their metabolic products and symbionts .....	GJ Jackson	334
Epidemiological assessment of Parasitic Zoonoses in Malaysia .....	KC Shekhar	337
Paragonimiasis in Mae Hong Son Province northern Thailand: Case report .....	D Ekarohit, C Chesdapan, P Thitasut, K Sukonthasan, W Choochote	340
Recent trends of paragonimiasis westermani in Miyazaki Prefecture, Japan .....	Y Nawa	342
Studies on clinical manifestations, diagnosis and control of paragonimiasis in China .....	ZB Xu	345
The situation of liver fluke infestation in cattle in Bali .....	IGP Suweta	349
Problem of fascioliasis in animal husbandry in Thailand .....	S Srihakim, M Pholpark	352
<i>Fasciola hepatica</i> infection in China .....	MG Chen	356

<b>Liver fluke disease (fascioliasis) : Epidemiology, economic impact and public health significance .....</b>	<b>AA Saleha</b>	<b>361</b>
<b>Abdominal hydatidosis in Pondicherry, India .....</b>	<b>M Vamsy, SC Parija, RN Sibal</b>	<b>365</b>
<b>Recent trends in the serodiagnosis of hydatid disease .....</b>	<b>SC Parija</b>	<b>371</b>
<b>Economic losses resulting from food-borne parasitic zoonoses .....</b>	<b>KD Murrell</b>	<b>377</b>
<b>Principles and costs in the regulation of microbially contaminated foods .....</b>	<b>GJ Jackson</b>	<b>382</b>
<b>Preliminary estimates of economic impact of liver fluke infection in Thailand and the feasibility of irradiation as a control measure .....</b>	<b>P Loaharanu, S Sornmani</b>	<b>384</b>
<b>Snail-borne parasitic zoonoses in Korea .....</b>	<b>PR Chung, CT Soh</b>	<b>391</b>