

한국의 해외유입 뎅기열의 역학적 특성

Imported dengue cases in Korea

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I. 들어가는 말

Flavivirus (genus)
(DEN-1, DEN-2, DEN-3, DEN-4)
(Aedes. aegypti) A.albopictus, A.polynesiensis, A.alboscutellaris [1,2,3].
'A.aegypti- -A.aegypti' A.aegypt이가 8-12
가 A.aegypti 3-14 (4-7) ,
[1,4,5,6]. WHO
(Dengue Fever ; DF) (Dengue
Hemorrhagic Fever ; DHF) [6].
(Dengue Shock Syndrome, DSS) [6].

1779 1780 , , [1,5].
40%가 , 50
5 가 [7].
A. aegypti , ,
[3].
4가
[1,8].

2001 6 가 가 2007 97
가 [8,9].
가 가

II. 몸 말

1.

2003 2007
169 169 , (Figure 1)

2.

1)

106 (62.7%), 63 (37.3%) , 20 13 (7.7%),

Table 2. Clinical descriptive characteristics of patients diagnosed with dengue

Characteristics		No. (%)	Total	
Days from onset to diagnosis			mean/median (range)	
2005-2007			6.48/5.00 (0-49)	
Clinical presentation ^a	Fever	144 (85.2)	169 (100.0)	
	Myalgia	115 (68.0)		
	Chill	102 (60.4)		
	Headache	92 (54.4)		
	Rash	58 (34.3)		
	Sweating	56 (33.1)		
	Other ^b	57 (33.7)		
Laboratory findings			mean ± SD	
	WBC (mm ³) (n=104) ^c	<4,000	68 (65.4)	3,603.2 ± 2,292.6
		≥4,000	36 (34.6)	
	Platelet (mm ³) (n=103) ^c	<100,000	41 (39.8)	133,000 ± 82,294.9
	Coagulation time (sec)			
	PT (n=68) ^c	≥14	14 (20.6)	18.9 ± 30.5
	aPTT (n=53) ^c	>35	36 (67.9)	41.2 ± 16.3
	Liver function (IU/L)			
increased AST (n=90) ^c		>20	84 (93.3)	111.1 ± 156.5
increased ALT (n=91) ^c		>44	46 (50.9)	91.7 ± 112.0

WBC: white blood cells; PT: prothrombin time; aPTT: activated partial thromboplastin time; AST: aspartate aminotransferase; ALT: alanine aminotransferase

^a Multiple responses allowed

^b Other clinical presentation: diarrhea, vomiting, nausea, cough, bleeding, body ache and eye pain

^c No.-no. of patients tested

3)

(1) 해외여행자 수의 변화

1989 가 , 1988 725,176
 2007 13,324,977 4 1 가 . 가
 13 2001 2,361,936 2002
 3,066,820 , 2003 2,897,100 , 2004 4,122,533 , 2005 4,893,162 , 2006 5,262,092
 가 . 2001 6 2002 9 , 2003 14 ,
 2004 16 , 2005 34 , 2006 35 가 (Figure 1).

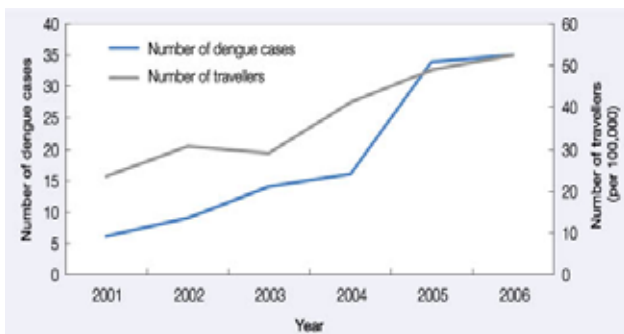


Figure 1. Annual number of travellers and dengue cases, 2001-2006

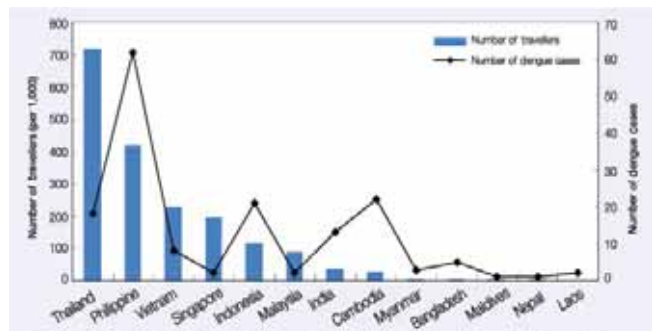


Figure 2. Number of travellers and reported dengue cases by imported countries, 2003-2007

(2) 해외여행 지역 및 목적

2003 2007 가 15 , 1
 2003 5 , 2004 3 , 2005 7 , 2006
 9 , 2007 11 가 62 (36.7%), 22 (13.05), 18
 (10.7%), 21 (12.4%), 13 (7.7%), 8 (4.7%), 5 (3.0%),
 3 (1.8%), 3 (1.8%), 2 (1.2%), , 가 2 (1.2%), , ,
 1 (0.6%) (Table 3). 가
 가 2007 5 . 79 (46.7%), 25

