

Mycotic Diseases

Principal Investigator : M. Talmage M'cMinn, CPT, MSC

OBJECTIVE: To monitor the occurrence of pathogenic fungi in Thailand.

BACKGROUND: This laboratory continues to conduct routine examinations for pathogenic fungi. This practice ensures the presence of properly trained personnel to manufacture appropriate media and to be able to identify various species of fungi. Maintenance of stock cultures also permits this laboratory to train technicians from other medical facilities in Thailand.

RESULTS: During the past year we have examined 244 specimens submitted for fungus isolation, 29 non-pathogenic fungi were identified and 38 pathogenic species were recovered.

Table 1 presents data indicating the source of the specimens and the pathogenic organisms isolated.

Table 1.
Specimens Received & Examined for Fungus, 30 March 1971 – 30 March 1972

Sources of specimens	Total No. examined	No. of non-pathogenic fungi	Number of Positive cultures
Skin	28	13	2 <u>Candida albicans</u> 2 <u>Microspotum gypseum</u>
Ear	7	4	1 <u>Microspotum canis</u>
Hair	2	1	
Cerebrospinal fluid	6		
Joint fluid	1		2 <u>Candida albicans</u>
Nail	5	1	1 <u>Trichophyton rubrum</u>
Scalp	2		1 <u>Candida albicans</u>
Finger	5	1	1 <u>Microsporium gypseum</u>
Body (Trunk, face, arms, legs)	4	1	1 <u>Candida albicans</u>
Foot	5		
Hand	4	1	1 <u>Candida albicans</u>
Toe	2	1	
Throat swab	6		2 <u>Candida albicans</u>
Bronchial Washing	1		
Vagina	37		3 <u>Candida albicans</u>
Sputum	8	1	5 <u>Candida albicans</u>
Gastric Washing	1		1 <u>Candida albicans</u>
Urine	1		
Biopsy	1		
Male genital organs	2		
Thoracentesis	1		
Female perineum	99		11 <u>Candida albicans</u>
Unidentified specimen			1 <u>Microsporium gypseum</u> 2 <u>Microsporium canis</u> 1 <u>Candida albicans</u>
	16	5	
Total	244	29	38