Interdigital and plantar foot infections: A retrospective analysis of molecularly diagnosed specimens in the United States and literature review

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Microorganisms

Supplementary Materials

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Table S1. Literature review of studies identifying fungal and/or bacterial etiological agents in patients with foot infections (2010-2024), stratified per the sampling site.

Study ID	Region	Population[a] (N)	Identification Method	Fungal Agents[b]	Bacterial Agents[b]
Interdigital foot infection					
Diongue 2020 [1]	Senegal	General (169)	Culture, MALDI-TOF	*C. albicans*, *Fusarium* spp., *T. interdigitale*, *T. rubrum*, *Epidermophyton floccosum*[c], *C. tropicalis*[c], *C. fermentati*[c]	-
Abd Elmegeed 2015 [2]	Egypt	General (135)	Culture	*T. mentagrophytes*, *T. rubrum*, *T. interdigitale*	-
Sariguzel 2014 [3]	Turkey	General (121)	Culture	*T. rubrum*, *T. mentagrophytes*, *C. albicans*, *Trichosporon* spp., *C. glabrata*[c], *Aspergillus* spp[c]., *Fusarium* spp.[c], *Acremonium* spp.[c], *Rhodotorula* spp.[c]	*C. minutissimum*
Diongue 2016 [4]	Senegal	General (104)	Culture	*C. albicans*, non-*albicans Candida*, *Fusarium solani*, *T. interdigitale*, *F. oxysporum*	-
Zarrin and Babadi 2014 [5]	Iran	Pediatric (865) (*asymptomatic*)	Culture	*Penicillium* spp., *Rhizopus* spp., *Alternaria* spp., *Cladosporium* spp., *Aspergillus flavus*	-
Saud 2020 [6]	Nepal	Diabetic (67)	Culture	*C. albicans*, *C. glabrata*[c], *Trichophyton* spp.[c], *C. krusei*, *Aspergillus flavus*	-
		Non-Diabetic (67)	Culture	*Aspergillus flavus*, *A. niger*[c], *C. albicans*[c], *C. glabrata*[c],	-
Thimmappaiah Jagadeesh 2017 [7]	India	Diabetic (40)	Culture	*Candida* spp.	*S. epidermidis*, *Micrococcus* spp., *S. aureus*, *Corynebacterium* spp., *Bacillus* spp.
		Non-Diabetic (41)	Culture	*Candida* spp.	*Micrococcus* spp., *S. epidermidis*, *Bacillus* spp., *S. aureus*[c], *Corynebacterium*[c]
Plantar foot infection					
Sakka 2015 [8]	Israel	General (221) (*asymptomatic*)	Culture	*T. rubrum*, *T. mentagrophytes*[c], *Epidermophyton floccosum*[c]	-
Sampling site unspecified					
Yu 2020 [9]	China	General (1704)	Culture, sequencing	*T. rubrum*, *T. interdigitale*, non-*albicans Candida*, *C. albicans*, *Epidermophyton floccosum*	*S. epidermidis*, *S. aureus*, *S. haemolyticus*, *S. warneri*, *S. aureus* subsp. *aureus.*

Mäntyniemi 2024 [10]	Finland	General (295)	Culture, PCR	*T. rubrum*, *T. interdigitale*, *T. mentagrophytes*, *Epidermophyton floccosum*[c], *C. albicans*[c]	-
Chadeganipour 2016 [11]	Iran	General (139)	Culture	*T. mentagrophytes* var. *interdigitale*, *T. rubrum*, *Epidermophyton floccosum*	-
Toukabri 2017 [12]	Tunisia	General (78)	Culture	*T. rubrum*, *T. violaceum*, *T. verrucosum*	-
Pandit 2017 [13]	India	General (68)	Culture	*T. rubrum*, *T. mentagrophytes*, *T. schoenleinii*, *T. verrucosum*	-
Zareshahrabadi 2020 [14]	Iran	General (62)	Culture, sequencing	*T. mentagrophytes*, *T. tonsurans*, *Microsporum canis*, *T. interdigitale*, *T. rubrum*	-
Thakur 2015 [15]	Botswana	General (56)	Culture	*T. interdigitale*, *T. tonsurans*[c], *T. violaceum*[c]	-
Liu 2019 [16]	China	General (26)	Metagenomic sequencing	*T. rubrum*, *C. halotolerans*, *C. parapsilosis*, *Wallemia sebi*	*C. tuberculostearicum*, *S. pettenkoferi*, *C. minutissimum*, *Paracoccus sphaerophysae*
		General (10) (*asymptomatic*)	Metagenomic sequencing	*Phoma saxea*, *Aspergillus cibarius*, *C. halotolerans*, *Rhodotorula mucilaginosa*	*C. tuberculostearicum*, *S. pettenkoferi*, *Pseudoclavibacter alba*, *Brevibacterium paucivorans*
Bitew 2018 [17]	Ethiopia	General (14)	Culture	*T. mentagrophytes*, *T. rubrum*, *T. tonsurans*[c], *T. soudanense*[c], *Alternaria* spp.[c], *Fusarium* spp.[c]	-
Hazarika 2019 [18]	India	General (9)	Culture	*T. mentagrophytes*	-
Makwana 2020 [19]	India	General (7)	Culture	*T. rubrum*	-
Taha 2017 [20]	Egypt	General (5)	Culture	*T. mentagrophytes*	-
Balci 2014 [21]	Turkey	Pediatric (41)	Culture	*T. rubrum*, *Rhodotorula* spp., *C. glabrata*, *Trichosporon* spp., *T. mentagrophytes*[c], *C. albicans*[c]	-
Leibovici 2014 [22]	Israel	Psoriasis (232)	Culture	*T. rubrum*, *T. mentagrophytes*, *C. albicans*, *Scopulariopsis brevicaulis*	-
		Atopic Dermatitis (190)	Culture	*T. rubrum*, *T. mentagrophytes*, *C. albicans*	-
		General (202)	Culture	*T. rubrum*, *T. mentagrophytes*, *C. albicans*	-

[a] General population refers to patients of all ages with and without comorbidities

[b] The five most commonly detected fungal or bacterial agents are listed in decreasing order

[c] Detected in equal proportions

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