

# Inonotosis in Patient with Hematologic Malignancy

## Technical Appendix

**Technical Appendix Table.** Invasive fungal infections caused by Basidiomycetes in neutropenic hematological patients\*

Author	Year	Place	Age, Sex	Species	Diagnostic technique	Underlying disease	Infection site	Therapy	Outcome	Comments
Nenoff P (1)	1997	Germany	40F	<i>Coprinus</i> spp ( <i>Hormographiella aspergillata</i> )	Histology, culture	Relapsed ALL 5 y after HSCT	Lung	AmB	Fatal	Coinfection with <i>A. flavus</i> Breakthrough while on fluconazole
Verweij PE (2)	1997	Netherlands	24M	<i>Hormographiella aspergillata</i>	Histology, culture, PCR	ALL; HSCT; Relapse	Lung-multiple	AmB Itraconazole	Fatal	Postmortem diagnosis
Surmont I (3)	2002	Belgium	34F	<i>Hormographiella aspergillata</i>	Culture, PCR	NHL (lymphoblastic)	Lung abscess	AmB	Favorable	
Buzina W (4)	2005	Austria	9F	<i>Irpex lacteus</i>	Histology, culture, PCR	ALL	Lung abscesses	Voriconazole+AmB	Favorable	
Lagrou K (5)	2005	Belgium	34M	<i>Hormographiella aspergillata</i>	Histology, culture, PCR	AML; HSCT	Lung	Caspofungin	Fatal	Postmortem diagnosis.
Abuali M (6)	2009	NY (USA)	14F	<i>Hormographiella aspergillata</i>	Culture, PCR	AML; HSCT	Cutaneous (previous, palatal <i>Mucor</i> ), probably disseminated (brain, lung cavitating lesions)	LAmB+caspofungin	Fatal	Mixed infection: first, palatal <i>Rhizomucor variabilis</i> Breakthrough while on Posaconazole and caspofungin
Conen A (7)	2010	Switzerland	41F	<i>Hormographiella aspergillata</i>	Histology, blood culture, PCR	AML; double HSCT	Lung nodules, eye, brain	Voriconazole Posaconazole Caspofungin	Fatal	GVHD Postmortem diagnosis.
			63F	<i>Hormographiella aspergillata</i>	Histology, culture, PCR	AML	Lung nodules	Voriconazole Posaconazole LAmB+surgery Voriconazole	Favorable, but death from underlying disease	
			55M	<i>Hormographiella aspergillata</i>	Histology, culture, PCR	AML; HSCT (double cord)	Lung nodules	LAmB+wedge resection Voriconazole	Fatal	Breakthrough while on voriconazole (previous proven aspergillosis).
Salit RB (8)	2010	Bethesda, MD, USA	41F	<i>Volvariella volvacea</i>	Histology, culture, PCR	HL; HSCT (cord)	Lung wedge infiltrates and CNS focal lesions	Voriconazole+LAm B	Fatal	

Author	Year	Place	Age, Sex	Species	Diagnostic technique	Underlying disease	Infection site	Therapy	Outcome	Comments
Pang KA (9)	2011	Strasbourg	25F	<i>Hormoglyphiella aspergillata</i>	Histology, culture	ALL	Lung	Voriconazole, LAmB	Favorable	Breakthrough while on caspofungin)
Suárez F (10)	2011	Paris	23F	<i>Hormoglyphiella aspergillata</i>	Histology, culture, PCR	Acute biphenotypic leukemia	Lung	Voriconazole LAmB	Favorable	Breakthrough while on caspofungin
			27M	<i>Hormoglyphiella aspergillata</i>	Histology, culture, PCR	Adrenoleuko Dystrophy; HSCT (cord)	Lung, spleen	Caspofungin LAmB	Fatal	Postmortem diagnosis.
Bojic M (11)	2013	Austria	61F	<i>Hormoglyphiella aspergillata</i>	Histology, culture, PCR	AML; AlloHSCT	Skin, lung nodules	Surgical debridement skin LAmB	Fatal	
Toya T (12)	2013	Japan	23F	<i>Schizophyllum commune</i>	Culture, PCR	ALL, SCT (cord)	Maxillary and etmoidal sinusitis	LAmB Voriconazole LAmB	Favorable	Breakthrough while on Itraconazole followed by micafungin
Heiblig M (13)	2015	France	19M	<i>Hormoglyphiella aspergillata</i>	Histology, culture, PCR	Mitochondrial cytopathy MDS-AML; HSCT	Sino-orbito-cerebral involvement	Surgical debridement+ LAmB+Voriconazole	Reduction of involvement, death from bacterial septic shock	Breakthrough while on Posaconazole (previous empirical caspofungin)
Corzo-León DE (14)	2015	Mexico	52F	<i>Hormoglyphiella aspergillata</i>	Culture, PCR	AML; AlloHSCT	Lung	Voriconazole LAmB	Favorable, but died	Improvement, but died of unspecified cause
Nanno S (15)	2016	Japan	51M	<i>Hormoglyphiella aspergillata</i>	Histology, culture, PCR	SMD-EB; Cord HSCT	Small intestine, lung and brain	LAmB+caspofungin	Fatal	Postmortem diagnosis, although previously detected in transbronchial biopsy, but not identified Breakthrough while on itraconazole
Lim DS (16)	2017	Singapore	1 M	<i>Earliella scabrosa</i>	Histology, culture, PCR	Aplastic anemia	Cutaneous emboli (multiple purpuric skin lesions), disseminated (pulmonary nodules)	Not specified	Fatal	
Godet C (17)	2017	France	36M	<i>Hormoglyphiella aspergillata</i>	Histology, PCR	AML. Cord HSCT	Lung nodule	Voriconazole Surgical resection LAmB+ Nebulized LAmB	Favorable	
Fernández-Cruz A (this study)	2017	Spain	33M	<i>Inonotus spp</i>	Histology, culture, PCR	ALL.	Lung nodule, skin	LAmB+vori Surgery Micafungin	Favorable	Breakthrough while on micafungin

\*ALL, acute lymphoblastic leukemia; AlloHSCT, allogenic hematopoietic stem cell transplantation; AmB, amphotericin B deoxicolate; AML, acute myeloblastic leukemia; HL, Hodgkin lymphoma; HSCT, hematopoietic stem cell transplant; LAmB, liposomal amphotericin B; MDS, myelodysplastic syndrome.

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