

Biannual summary of opportunistic mycoses and aerobic actinomycetes
in New Zealand, July-December 2011.

Organism	No. of cases	Site	Clinical data
Filamentous fungi			
<i>Alternaria alternate</i>	1	Maxillary sinus tissue	Oncology patient.
<i>Aspergillus fumigatus</i>	2	Sputum (1)	DE +. Hodgkin's lymphoma. Rx VOR.
		CAPD fluid (1)	DE +. ESRF on CAPD.
<i>Aspergillus fumigatus</i> & <i>A. niger</i>	1	Bronchial Washing	Severe asthma, long term steroid use. Necrotising <i>Aspergillus</i> lung infection. Rx VOR + lobectomy. Improved.
<i>Fusarium oxysporum</i>	1	Leg Wound	DE +. Diabetic with leg cellulitis. Prior fall ~ 3weeks earlier to admission, foreign body in leg. Extensive surgical debridement.
<i>Phoma cruris-hominis</i>	1	Toe aspirate	Recurrent swelling in base of toe.
Yeasts			
<i>Candida albicans</i>	7	Blood culture	Infant with severe meningococcal septicaemia. Extensive pupura fulminans, limb & facial ischaemia, extensive loss of nasal & lip tissue. Lines <i>in-situ</i> . Patient deceased (1), premature baby, on broad spectrum antibiotics. Line <i>in-situ</i> (1), excision of uteric anastomosis onto neobladder, line sepsis. Rx FCZ (1), post-op laparotomy. Rx FCZ (1), high voltage electrical burns 50% (1) ICU patient, line <i>in-situ</i> (1), ALL, neutropenic (1).
<i>Candida glabrata</i> complex	3	Blood	Uteric stone (1), terminal lung malignancy, sepsis & bowel obstruction. Patient deceased (1), colon Ca (1).
<i>Candida guilliermondii</i>	3	Blood (1)	Line sepsis.
		CAPD fluid (2)	ESRF on CAPD.
<i>Candida parapsilosis</i> complex	8	Blood (6)	Oncology patient. Line sepsis (1), infant with short gut syndrome, line sepsis. Rx FCZ & line removal (1), Crohn's disease, colectomy with stoma (1), CF patient, line sepsis (1), chronic bowel obstruction (1), dialysis patient (1).
		CAPD (2)	Diabetic with ESRF (2)
<i>Candida tropicalis</i>	2	Blood (1)	Hemi-colectomy for bowel obstruction. Protracted recovery in ICU. Rx FCZ. Patient deceased.
		Urine (1)	Burkitt's lymphoma. Admitted to hospital with back pain & renal impairment. Found 6mm kidney stone. JJ stent inserted. Rx FCZ.

<i>Cryptococcus gattii</i>	1	Lung FNA	Patient from Cook Islands. 3-4 months breathlessness.
<i>Cryptococcus neoformans</i>	4	CSF (1)	2° to immunosuppression from chronic steroid use. Rx AmB + 5FC. Good clinical response.
		Bronchial washing (1)	Cavitating RUL pulmonary lesion. Diabetic patient with ESRF.
		Lung FNA (2)	DE +ve. Post cardiac transplant (1), past alcohol use. Chronic Hepatitis C, awaiting liver transplant. Rx FCZ (1).
<i>Pneumocystis jiroveci (carinii)</i>			
	5	BW/BAL (2)	On dexamethasone, diffuse patchy ground glass infiltrates seen in CXR (1), NR (1).
		Sputum/Induced sputum (3)	Lymphoma (1), on methotrexate (1), NR (1).
Aerobic Actinomycetes			
<i>Nocardia asteroides</i> complex	1	Sputum	DE+. NR.

KEY:

5FC	5-flucytosine	DE	Direct examination
ALL	Acute lymphoblastic leukaemia	ESRF	End stage renal failure
AmB	Amphotericin B	CXR	Chest x-ray
BAL	Bronchoalveolar lavage	DE	Direct examination
BW	Bronchial washing	FCZ	Fluconazole
Ca	Carcinoma	ICU	Intensive Care Unit
CAPD	Continuous ambulatory peritoneal dialysis	NR	Clinical data not received
CF	Cystic fibrosis	RUL	Right upper lobe
CSF	Cerebrospinal fluid	Rx	Treatment
CXR	Chest x-ray	VOR	Voriconazole

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