

Biannual summary of opportunistic mycoses and aerobic actinomycetes
in New Zealand, January-June 2014.

| Organism | No. of cases | Site | Clinical data |
|--|--------------|------------------------|--|
| Filamentous fungi | | | |
| <i>Arthrographis kalrae</i> | 1 | Aspirate | Subphrenic fluid |
| <i>Aspergillus fumigatus</i> complex | 4 | Sputum (2) | Oncology patient (1); haematology patient, pot smoker (1) |
| | | Ethmoid tissue (1) | Sphenoid mycetoma |
| | | BW (1) | Lung transplant |
| <i>Aspergillus fumigatus</i> complex and <i>Verruconis gallopava</i> | 1 | BW | ABPA on prednisone |
| Presumptive <i>Aspergillus fumigatus</i> complex (failed to grow) | 1 | RLL lung tissue | DE +ve. T-cell ALL cavitating lesion in RLL |
| <i>Exophiala dermatitidis</i> | 1 | Blood | NR |
| <i>Exophiala jeanselmei</i> | 1 | Tissue | NR |
| <i>Exophiala</i> species | 1 | Elbow tissue | DE +ve, NR |
| <i>Exserohilum</i> species | 1 | Sinus | DE-ve, recurrent nasal polyposis, on prednisone |
| <i>Fusarium oxysporum</i> | 1 | CAPD | NR |
| <i>Neoscytalidium dimidiatum</i> | 1 | Medial malleolus | DE-ve, bilateral tibia fracture, chronic hepatitis |
| <i>Penicillium</i> species | 1 | L) hip aspirate | NR |
| <i>Purpureocillium (Paecilomyces) lilacinum</i> | 1 | L) wrist biopsy | Chronic wrist plaque |
| <i>Scedosporium prolificans</i> | 3 | LUL BW (1) | DE-ve, bilateral lung transplant, patient deceased |
| | | Blood (1) | NR |
| | | Tissue (1) | NR |
| Yeasts | | | |
| <i>Candida albicans</i> | 31 | Blood (14) | Post cystoprostatectomy (1); necrotising pancreatitis (1); UTI (1); abdominal sepsis after duodenal perforation (1); diabetic (1); Ca prostate, deceased (1); ICU patient (1); surgical patient (1); aortic aneurysm repair RX FCZ (1); NR (5) |
| | | Abdominal aspirate (1) | Post abdominal haematoma |
| | | Leg biopsy (2) | Post RTA L) BKA (1); 55% burns patient (1) |
| | | Pleural aspirate (1) | Prosthetic aortic valve replacement |
| | | CAPD (1) | ESRF |
| | | Acetabulum R) hip | T6 paraplegia, septic arthritis and osteomyelitis |
| | | Aspirate (6) | R) sacroiliac joint fusion (1); kidney (1); spine (1); biliary tree debris, recent hepatic abscess (1); neck wound, isolated with <i>Morganella morganii</i> , patient deceased (1); peritoneum, ICU patient (1) |
| | | Foreign body (1) | NR |
| | | Tissue (1) | NR |
| | | Intracardial blood (2) | Foetal demise, post mortem (2) |

| Organism | No. of cases | Site | Clinical data |
|---|--------------|--|---|
| | | Abdominal pus (1) | NR |
| <i>Candida albicans</i> and <i>Candida glabrata</i> complex | 1 | Blood, renal abscess and urine | Ca sigmoid colon, diverticular disease with colovesical fistula and kidney abscess. Rx FCZ, CAS & VOR |
| <i>Candida albicans</i> and <i>Candida parapsilosis</i> complex | 1 | L) breast | Breast Ca, T2DM, bilateral mastectomy |
| <i>Candida albicans</i> and <i>Candida tropicalis</i> complex | 1 | Blood | Unknown etiology, necrotic fingers |
| <i>Candida dubliniensis</i> | 2 | Aspirate (1) | NR |
| | | Blood (1) | NR |
| <i>Candida glabrata</i> complex | 2 | Blood (2) | Bowel Ca (1); Ruptured AAA, post op bowel leak (1) |
| <i>Candida krusei</i> | 1 | Blood | Oncology patient |
| <i>Candida lusitanae</i> | 1 | Blood | Post ureteroscopy and stent insertion |
| <i>Candida parapsilosis</i> complex | 11 | Pleural fluid (2) | Septic post anterior resection (1); NR (1) |
| | | CAPD (2) | DE +ve, renal failure (1); dialysis patient (1) |
| | | Blood (7) | Urology patient (1); neonate (1); haemodialysis (1); NR (4) |
| <i>Candida tropicalis</i> | 2 | Blood (1) | ICU patient |
| | | Pus (1) | Groin abscess, vascular groin graft |
| <i>Geotrichum</i> Species | 1 | Sputum | Immunocompromised |
| <i>Cryptococcus neoformans</i> | 1 | BAL | LRTI on prednisone |
| | | | |
| <i>Pneumocystis jiroveci (carinii)</i> | 28 | BAL (2) | SCID (1); high dose steroids (1) |
| | | BW (4) | Ca (1); CGD, immunodeficient (1); SCID (1); haematology patient immunocompromised (1) |
| | | Sputum (3) | HIV + (2); Oncology patient (1) |
| | | IS | NR |
| | | PCP-PCR +ve (18) [IF stain +ve (3)] | NR (18) |
| <i>Aerobic Actinomycetes</i> | | | |
| <i>Nocardia</i> species | 2 | Ulcer (1) | Shin ulcer |
| | | Sputum (1) | Pneumonia |
| <i>Nocardia cyriacigeorgica</i> | 3 | Lung aspirate (1) | NR |
| | | Sputum (1) | NR |
| | | Pleural aspirate (1) | NR |
| <i>Nocardia nova</i> | 10 | BW (4) | Post lung TX, previous invasive aspergillosis (1); NR (3) |
| | | Sputum (1) | NR |
| | | FNA (1) | RUL Lung Mass |
| | | CAPD (1) | NR |
| | | Blood Culture (1) | NR |

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| | | CSF (1) | CSF leak |
| | | Cyst (1) | Deep foreign body R) finger |
| <i>Nocardia otidiscavarium</i> complex | 2 | Swab (1) | Cheek and neck lesions presumptive brain abscess |
| | | Sputum (1) | NR |
| <i>Nocardia pseudobrasiliensis</i> | 1 | Popliteal collection | Post renal TX multiple disseminated abscesses |
| <i>Nocardia transvalensis</i> | 1 | Corneal scraping | R) corneal ulcer |
| <i>Nocardia veterana</i> | 5 | BW (1) | NR |
| | | Sputum (3) | Bronchiectasis (1); NR (2) |
| | | Aspirate (1) | Laceration, left wrist collection |
| <i>Gordonia bronchialis</i> | 1 | CAPD | NR |

KEY:

| | | | |
|------|---|------|-----------------------------------|
| AAA | Abdominal aortic aneurysm | ICU | Intensive Care Unit |
| ABPA | Allergic bronchopulmonary aspergillosis | IF | Immunofluorescent |
| ALL | Acute lymphoblastic leukaemia | IS | Induced sputum |
| BAL | Bronchoalveolar lavage | LRTI | Lower respiratory tract infection |
| BKA | Below knee amputation | LUL | Left upper lobe |
| BW | Bronchial washing | NR | Clinical data not received |
| Ca | Carcinoma | PCP | Pneumocystis pneumonia |
| CAPD | Continuous ambulatory peritoneal dialysis | PCR | Polymerase chain reaction |
| CAS | Caspofungin | RTA | Road traffic accident |
| CGD | Chronic granulomatous disease | RUL | Right upper lobe |
| CSF | Cerebrospinal fluid | Rx | Treatment |
| DE | Direct examination | SCID | Severe combined immunodeficiency |
| ESRF | End stage renal failure | T2DM | Type 2 Diabetes mellitus |
| FNA | Fine needle aspirate | TX | Transplant |
| FCZ | Fluconazole | VOR | Voriconazole |
| HIV | Human immunodeficiency virus | | |

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