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Healthcare-Associated Infections Caused by *Mycolicibacterium neoaurum*

Appendix

Appendix Table. Clinical characteristics and treatment of 37 reported cases of patients with *Mycolicibacterium neoaurum* infections*

No.	Age, y/sex, location	Medical condition, device duration†	Infection	Positive culture site, time to positive result	Treatment	Outcome	Reference
1	1/M, Missouri, USA	Acute lymphoblastic leukemia, subcutaneous port, 6 mo	Bacteremia, catheter-related	Port blood, 5 d	Port removed, IMI + AZI + CIP for 16 d, then TMS + CIP for 26 d	Cured	Case report
2	48/M, Michigan, USA	Acute lymphoblastic leukemia, subcutaneous port	Bacteremia, catheter-related	Blood, 5 d	Port removed, CIP + DOX for 3 mo	Cured	(1)
3	67/F, West Virginia, USA	Diabetes, chronic renal insufficiency, recurrent urinary tract infection, percutaneously inserted central line, 6 mo	Bacteremia, catheter-related	Catheter blood, 6 d	Central line removed, CIP + DOX for 4 wk	Not reported	(2)
4	41/M, Scotland, UK	Acute myeloid leukemia, neutropenia, central venous catheter	Bacteremia, catheter-associated	Catheter, peripheral blood	Central line removed, MER (duration not reported)	Cured	(3)
5	54/F, Queensland, Australia	Ovarian carcinoma, total parenteral nutrition, central venous catheter	Bacteremia, catheter-associated	Catheter, peripheral blood, 2–5 d	GEN + CEFO for 7 wk	Cured	(4)
6	31/F, Cadiz, Spain	Ulcerative colitis, peripheral intravenous catheter, 1 wk	Bacteremia, catheter-associated, exit site inflammation	Peripheral blood, 3 d	TEI for 7 d	Cured	(5)
7	46/M, Iowa, USA	Primary hyperparathyroidism, central venous catheter, 10 mo	Bacteremia, catheter-related	Catheter blood, 2 d	Catheter removed	Cured	(6)
8	48/M, Illinois, USA	Crohn's disease, short gut syndrome, hepatitis C infection, central venous catheter	Bacteremia, catheter-related	Blood	Catheter removed, IMI + CIP, then LEV for 4 wk	Cured	(7)
9	17/M, New South Wales, Australia	Acute lymphoblastic leukemia, hematopoietic stem cell transplant, neutropenia, central venous catheter	Bacteremia, catheter-related, catheter exit site inflammation	Catheter blood, 2 d	Catheter removed, TCL + TOB for 3 wk	Cured	(8)
10	46/M, Taiwan, China	Diabetes, alcohol-related pancreatitis and hepatitis, multi-organ failure, intra-abdominal infection, prosthetic joint replacement, hepatitis B infection, cerebrovascular accident, central venous catheter	Bacteremia, catheter-associated	Catheter blood, 6 d	Catheter removed, AMI + CIP for 1 wk, then AMI + MER for 2 wk	Cured	(9)

No.	Age, y/sex, location	Medical condition, device duration†	Infection	Positive culture site, time to positive result	Treatment	Outcome	Reference
11	66/M, Oklahoma, USA	Diabetes, colon cancer, schizophrenia, subcutaneous port, 6 y	Bacteremia, catheter-associated	Central, peripheral blood, catheter tip, 5 d	Port removed, DOX + IMI + LEV for 4 wk, then DOX + LEV for 2 wk	Cured	(10)
12	53/M, Pennsylvania, USA	Hepatocellular carcinoma, hepatitis B infection, psoriasis, subcutaneous port	Bacteremia, catheter-related	Catheter blood, 7 d	CON, unspecified duration	Relapsed 3 mo, port removed, CON for 2 wk, cured	(11)
13	4/F, Ohio, USA	Acute myeloid leukemia, central venous catheter	Bacteremia, catheter-associated	Blood	Catheter removed, TMS for 6 wk	Cured	(12)
14	39/F, Ohio, USA	Aplastic anemia, central venous catheter	Bacteremia, catheter-associated	Blood	Catheter removed, CIP + CEFT + ERY + ETH + RIF + CEFT for 6 wk	Cured	(12)
15	68/M, Illinois, USA	Diabetes, recurrent small bowel obstruction, parenteral nutrition, recurrent urinary tract infection, central venous catheter, 3 y	Bacteremia, catheter-related, pneumonia	Blood, catheter tip, 8 d	Catheter removed, CEFO + CIP + DOX for 6 wk, then CIP + DOX for 3 wk	Cured	(13)
16	1/F, Michigan, USA	Liver transplant	Bacteremia	Peripheral blood, 6 d	None	Cured	(14)
17	2/F, Michigan, USA	Neuroblastoma, neutropenia, central venous catheter, 5 mo	Bacteremia, catheter-associated	Blood, 4 d	Catheter removed, AMI + CLA + MER for 7 d, then CIP + LIN for 14 d	Cured	(14)
18	3/M, Michigan, USA	Rhabdomyosarcoma, neutropenia, central venous catheter, 7 mo	Blood, catheter-associated	Blood, 1 d	Catheter removed, AMI + CLA + LEV for 12 d, then CLA + LEV for 4 wk	Cured	(14)
19	59/F, Michigan, USA	Colon cancer, colectomy, short gut syndrome, percutaneously inserted central line, 1 mo	Blood, catheter-associated	Blood, 2 d	Catheter removed, CEFO for 2 wk, then CLA + ETHA + LEV for 4 wk	Cured	(14)
20	9/F, Hong Kong, China	Acute lymphoblastic leukemia, central venous catheter	Bacteremia, catheter-related	Catheter blood, 3 d	Catheter removed, CEFZ + AMI for 3 wk	Cured	(15)
21	40/F, Manitoba, Canada	Diabetes, chronic renal insufficiency, hepatitis C infection, hemodialysis fistula, 9 mo	Bacteremia	Blood, hemodialysis fistula, peripheral, excised graft	Excision hemodialysis fistula, CIP + DOX for 4 wk	Cured	(16)
22	80/F, England, UK	Heart block, pacemaker, 2 y	Bacteremia, pacemaker-associated infection	Blood, pacemaker leads, 4 d	Pacemaker removed, AMI + IMI for 23 d, then CIP + DOX + LIN for 1 mo, then CIP + DOX for 2 mo	Cured	(17)
23	30/M, Connecticut, USA	Intravenous drug abuse, endocarditis, prosthetic mitral valve replacement, 1 y	Prosthetic valve endocarditis, brain abscess	Blood, 10 d	AZI + MOX + TOB for 39 d, then AZI + ETH + MOX, duration not reported	Cured	(18)
24	36/M, Ohio, USA	Intravenous drug abuse, prosthetic mitral valve replacement, 1 y	Prosthetic valve endocarditis	Blood, mitral valve	Mitral valve replacement, CIP + IMI + TMS for 6 wk, then CIP + TMS suppression	Cured	(12)
25	63/F, Ontario, Canada	Cerebrovascular accident, rheumatoid arthritis, hypertension, corticosteroid use, tobacco smoker	Granulomatous meningitis	Broad range PCR, brain tissue	None	Death	(19)
26	17/M, Moravia, Czech Republic	Hodgkin lymphoma, malignant pleural effusion, neutropenia	Pneumonia	Sputum	CIP for 3 mo	Cured	(20)

No.	Age, y/sex, location	Medical condition, device duration†	Infection	Positive culture site, time to positive result	Treatment	Outcome	Reference
27	25/F, Chungcheong, South Korea	None	Pneumonia	Bronchoalveolar lavage fluid, 4 d	CLA for 4 mo	Cured	(21)
28	59/M, New South Wales, Australia	Emphysema, tobacco smoker, tuberculosis	Pneumonia	Sputum	MOX + RIF + TMP/SMX for 6 mo	Cured	(22)
29	67/F, Wisconsin, USA	Asthma, corticosteroid use, gastroesophageal reflux, dental caries, tobacco smoker	Pneumonia	Lung biopsy	AMI + CLA for 6 mo	Cured	(23)
30	63/F, Gran Canaria, Spain	Heart block, pacemaker, 11 d, hypertension, hypothyroid, breast cancer	Surgical wound infection, pacemaker pocket	Wound exudate, 10 d	LEV for 2 wk, then DOX + LEV for 4 wk	Cured	(24)
31	14/F, Chiba, Japan	Orthopedic surgery, external fixator, 18 d	Pin exit site infection	Pin tract exudate, 3 d	CIP + MIN, then MIN + TMS for 6 mo	Cured	(25)
32	76/M, England, UK	Chronic renal insufficiency, hypertension, peripheral vascular disease	Soft tissue infection	PCR, skin biopsy	CIP + DOX for 6 mo	Cured	(26)
33	58/M, Hong Kong, China	Penetrating hand injury, sea water exposure, hypothyroidism	Soft tissue infection	Tissue biopsy	Soft tissue debridement, CIP + DOX for 12 wk	Cured	(27)
34	53/F, New South Wales, Australia	Mitral valve replacement, hypertension	Soft tissue infection	PCR, skin biopsy	MOX + ROX for 4 mo	Cured	(28)
35	45/F, New South Wales, Australia	Chronic renal insufficiency, peritoneal dialysis	Peritonitis	Peritoneal fluid	GEN + VAN, then AMI + PIP, no duration given	Cured	(29)
36	54/M, Ohio, USA	Diabetes, hypertension, chronic renal insufficiency, continuous ambulatory peritoneal dialysis	Peritonitis	Peritoneal fluid	Dialysis catheter removed, AMI + CIP + RIF for 4 wk, then CIP + RIF for 3 mo	Cured	(30)
37	63/F, Sardinia, Italy	Chronic renal insufficiency, nephrolithiasis, recurrent urinary tract infection	Urinary tract infection	Urine, 6 d	Not reported	Cured	(31)

*AMI, amikacin; AZI, azithromycin; CEFO, ceftioxin; CEFT, ceftriaxone; CEFZ, ceftazidime; CIP, ciprofloxacin; CLA, clarithromycin; CON, contezolid; DOX, doxycycline; ERY, erythromycin; ETHA, ethambutol; GEN, gentamicin; IMI, imipenem; LEV, levofloxacin; LIN, linezolid; MER, meropenem; MIN, minocycline; MOX, moxifloxacin; PIP, piperacillin; RIF, rifampin; ROX, roxithromycin; TCL, ticarcillin-clavulanate; TEI, teicoplanin; TMS, trimethoprim-sulfamethoxazole; TOB, tobramycin; VAN, vancomycin.

†Medical conditions included the use of medical devices and duration of use, if reported.

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