Supplementary Sheet: A 2-year Retrospective Case Series on isolates of the Emerging Pathogen Actinotignum schaalii from a Canadian tertiary care hospital

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Table S1: Summary of Comorbidities in our case series.

	Comorbidity (Procedure)	***n***
Endocrine (25)	Hyperthyroidism	1
	Hypothyroidism	6
	Type 2 Diabetes Mellitus	9
	Systemic Lupus erythematosus	1
	Obesity/obstructive sleep apnea	8
Psychiatric (13)	Anxiety	2
	Depression	2
	Dementia/Delirium	9
Gastroenterology (24)	Pancreatitis	1
	Gastroesophageal reflux disease	9
	Cirrhosis	1
	Cholecystectomy	2
	Hernia	2
	Hemorrhoids (hemorrhoidectomy)	2
	diverticulitis (colostomy)	2
	Inflammatory bowel disease (subtotal colectomy and end-ileostomy)	2
	Appendectomy	3
Renal (7)	Renal Failure	5
	Gout	2
Woman's' health (5)	Breast cancer	1
	Gynecology procedures	4
Others (11)	Arthritis	6
	Chronic obstructive pulmonary disease	4
	Foot cellulitis	1
Hematology (17)	Deep vein thrombosis	1
	Provoked pulmonary embolism	2
	Anemia	3
	Superficial arm thrombophlebitis	2
	Peripheral vascular disease	1
Urology (12)	Urolithiasis	1
	Urinary tract infection	3
	Bladder pathologies	3
	BPH	3
	Prostate ca	2
Orthopedic (3)	Knee replacement	1
	Hip fracture	2
Cardiology (29)	Heart failure with reduced ejection fraction	4
	hypertension	16
	Aortic Dissection	1
	Abdominal aortic aneurysm	1
	Atrial fibrillation	5
	Coronary artery disease	2
Neurology (14)	Cerebral vascular accident/ transient ischemic attack	4

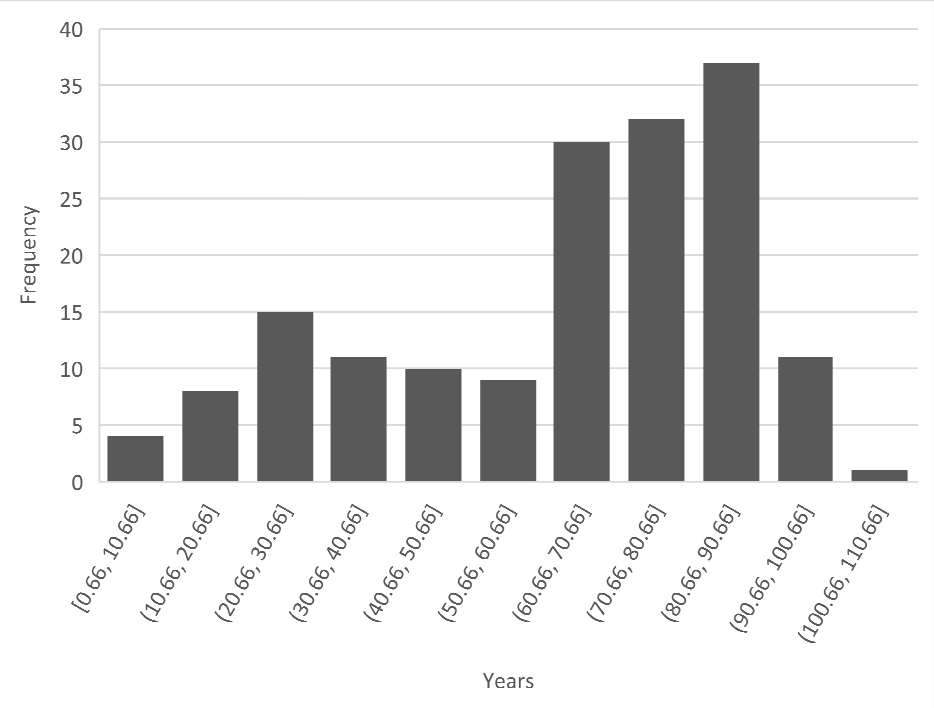
	Movement disorders	7
	Cerebral palsy	1
	Spina bifida	2

Table S2: Literature review summary of *A. schaalii* urological infections.

Age	Diagnosis	Mono/polymicrobial; organism	Treatment	References
Pyelonephritis (12), Mean = 51±24.8, M:F (8:4), Blood (5), Urine (6), Aspirate (1)	Pyelonephritis (12)	Mono (8), Poly (4); *Bacteroides fragilis, Escherichia coli, Candida albicans, , Peptoniphilus asaccharolyticus, Actinomyces odontolyticus.*	Ampicillin (3), Amoxiclav (2), ciprofloxacin (2), PIP-TZM (2), CTX, gentamicin, Amoxicillin, Vancomycin, TMP-SMX, Nephrostomy (2), JJ stent (2), Pyeloplasty, Surgical drainage, Nephrectomy	[1], [2], [3], [4], [5], [6], [7],[8] *
UTI (65), Mean = 73±2.9, M:F (39:26), Urine (45), Blood (7), Urine and blood (6), Aspirate (), Semen (2)	UTI unspecified (17)	Mono (9), Poly (8); *Klebsiella pneumonia, Corynebacterium, Aerococcus sanguinicola,* Urethral flora, Gram+ve mixed flora (3), CoNS	PIP-TZM (3), erythromycin, Ciprofloxacin (5), Metronidazole (2), Clindamycin, Fosfomycin, cefuroxime, Amoxiclav (2), Cefotaxime (4), Cefadroxil, Levofloxacin, CTX, Cephalexin, Ceftazidime, gentamicin,	[9], [10], [11], [12],
	Acute urinary retention (7)	Mono (3), Poly (4); *Aerococcus urinae* (2), *Escherichia coli, Enterobacter cloacae*, Urethral flora	Ciprofloxacin, Cefotaxime (3), amoxicillin, suprapubic catheterization.	[9], [13]
	Prostatitis (9)	Mono (4), Poly (5); *Escherichia coli* (2), *Actinomyces neuii, Pseudomonas aeruginosa, Candida glabrata*	Cefixime, Ceftriaxone, amoxiclav (3), Doxycycline, amoxicillin (4), Ciprofloxacin (3), Azithromycin, Penicillin G, cefpodoxime	[4], [14], [12], [15]
	Cystitis (17)	Mono (9), Poly (8); *Aerococcus urinae, Staphylococcus aureus, Escherichia coli* (2), *Citrobacter koseri, Klebsiella pneumoniae, Staphylococcus*	Nitrofurantoin, ampicillin, Cefuroxime, Amoxicillin (3), Amdinocillin, TMP-SMX (2), Amoxiclav (3), Ciprofloxacin (2), Norfloxacin, Pivampicillin	[13], [2], [16], [17], [18], [4]

		epidermidis, Enterococcus faecalis	(2), mecillinam, CTX, catheter change	
	Dementia (6)	Mono (5), Poly (1); *Aerococcus urinae*	Metronidazole (2), CTX, Amoxicillin, Cefuroxime	[13], *
	Neurogenic bladder (3)	Mono (3)	Amoxiclav (2), TMP-SMX, Amoxicillin	[19], *
	Urethritis (2)	Mono (2)	Amoxicillin (2)	[4]
	Bladder Necrosis (non-muscle-invasive bladder cancer) (2)	Mono (2)	Amoxicillin (2)	[4], [20]
	Bladder Prolapse (2)	Mono (1), Poly (1); *Aerococcus urinae*	Cystoscopy (2), Amoxicillin, Nitrofurantoin, Ciprofloxacin	*

*Patients included from our case series.



Supplementary Figure S1: Population distribution of patient cohort from the Literature review (*n*=134)

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