Quinnipiac



Colocutaneous fistula: a rare complication of acute sigmoid diverticulitis

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Introduction	Case De	scription	Discussion
 Diverticulosis is very prevalent in the Western world and diverticulitis develops when these diverticula become inflamed or infected¹ Risk factors include: advancing age, low fiber diet, smoking, alcohol, sedentary lifestyle^{1,2} Diverticulitis rates have increase by greater than 25% since the early 2000s³ Complicated diverticulitis occurs in 3-12% of cases and includes bleeding, obstruction, formation of abscess, phlegmon, or fistula⁴ Types of fistula include colovaginal, colovesicular, coloenteric, and colocutaneous Colocutaneous fistulas are rare accounting for just 1-4% of diverticular fistulae⁵ Colocutaneous fistula are rare and are noted most often to occur after percutaneous formation of a colocutaneous formation of accounting for just 1 because for spontaneous formation of account and accolocutaneous fistula to occur, however few cases have been described in the literature¹⁰ 	History of Present Illness 71-year-old male presented with fever, weakness, lethargy, and decreased oral intake. PMH: Perforated diverticulitis (managed with percutaneous drainage), atrial fibrillation, endocarditis s/p AVR, CAD, IDDM, CKD, ischemic cardiomyopathy, HTN, hyperlipidemia. Medications: • Amiodarone 200 mg PO daily • Atorvastatin 40 mg PO daily • Bumetanide 10 mg PO BID • Losartan 12.5 mg PO daily • Metoprolol succinate XL 50 mg PO daily • Warfarin 2.5 mg PO daily • Calcitriol 0.25 mg PO daily • Insulin aspart sliding scale before meals • Insulin glargine 22 units daily	Physical ExaminationVital signs: T101.1°F, HR 69 bpm, BP 101/66 mmHgExamination:• General: alert, no acute distress• Abdomen: softly distended, some mild anterior abdominal wall erythema in the left lower quadrant with minimal fluctuance and no tendernessLaboratory Analysis:10.3 10.7 161 135 98 63 1.7 141Computed Tomography:• In the previously seen region of diverticulitis of the descending colon, there is an approximately 5 x 2.5 cm abscess involving the anterior abdominal wall. This appears connected to the colon. Anterior abdominal wall mesh is present	 The American Society of Colon and Rectal Surgeons previously recommended elective surgery after two episodes of diverticulitis; current guidelines support intervention after a single episode but emphasize the importance of shared decision-making¹¹ Diverticulitis complicated by abscess can be managed in several ways; in Hinchey I and II disease, percutaneous drainage is often performed.¹² Percutaneous abscess drainage can be employed as a temporizing measure prior to interval colectomy or, in select high-risk surgical candidates, as a definitive nonoperative management strategy^{12,13} Given the rarity of this condition, there is no consensus on management Our patient had prohibitive operative risk and therefore we attempted non-operative management
Hospital	Course and Patient Outcome	Radiographic Findings	Conclusion
 HD#1 Admitted to medical service Piperacillin/tazobactam and vancomycin initiated IV Respiratory panel negative Bolus for hypotension with adequate response HD#7 HD#7 Percutaneous placed Percutaneous placed Fistula noted contrast inject <i>unclear if me</i> involved ID consultati possible mess involvement 	drain • Culture data finalizes: • Discharged home with • Vancomycin with visitng nursing tion, but Enterococcus services sh • Candida albicans • Planned for antibitics on for • Oral fluconazole after source control	Image 1: CT Abdomen/Pelvis	 Colocutaneous fistulas are a rare complication of diverticular disease This case underscores the importance of a multidisciplinary approach incorporating percutaneous drainage for effective source control in a patient whose past medical history prohibited colectomy Minimally invasive management may serve as a bridge to elective surgical resection or, in select cases, a definitive treatment strategy Early recognition and individualized care planning are essential to optimize outcomes
MRSA swab negative, ID recommendation	tions • Tunneled catheter • Day 24: drain check	Image 2: Drain Check Image 3: Resolution	References
 vancomycin discontinued CT abdomen and pelvis: 5 x 2.5 cm abscess (image 1) near hernia mesh Surgery and IR consulted HD#3 	bacamdue to CKD)fistula; drain left in place (image 2)nto IV ertapenem and• Day 31: drain check		 State LL, Keley BR, Ceo Y, WuK, Giovennaca EL, Chan AT. Wetern Distary Pattern Increases, and Prudent Distary Pattern Discusses, Rist of Fixedex Diversionlites in a Frangenetive Cohord Study. <i>Octavorsterology</i> 2007;13(2):1023-1023. Hjern, WiLA, Ji Basanan, Mica Obesky, physical anisolvy, and chains a dwintidia a thirty approximation mean a set of the set o