

## **Complicated Amyand's Hernia in a Female Patient**

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Introduction		Physical exam		Diagnostic Te	esting	Management and Outcome
<ul> <li>Amyand's hernia (AH) is characterized by the presence of the vermiform appendix within an inguinal hernia sac.<sup>1</sup></li> <li>Contraction of the abdominal wall causes compression of the appendix and subsequent lumen obstruction, leading to inflammation and infection.<sup>2</sup></li> <li>Male sex is the most influential risk factor, as over 90% of AH are seen in men.<sup>3</sup></li> <li>AH are exceptionally rare, constituting only 0.14-1.3% of all inguinal hernia cases.<sup>4-8</sup></li> </ul>	no acute distress Skin: warm and Lungs: clear and Cardiovascular: Abdominal: Nor moderately tend reducible RLQ m cutaneous eryth	ormal range alnourished cachectic fe s, alert and oriented x4 dry, no rashes or wound equal breath sounds bil Normal sinus rhythm n-distended, soft and der over RLQ, Firm non- nass with no overlying ema, normoactive BS peripheral edema, warm	male in s aterally n and	<ul> <li>Computed Tomography (Figure 1)</li> <li>Fluid collection in RLQ 7x6x3cm, abnormally dilated and thick-walled appendix extending from the cecum into hernia.</li> <li>The appendix is perforated with the tip in the anterior abdominal wall and adjacent hernia.</li> </ul>		<ul> <li>The patient underwent an emergency laparotomy with appendectomy and drainage of inguinal canal abscess.</li> <li>The first incision was made over the inguinal mass to drain and wash out the inguinal abscess prior to entering the peritoneum.</li> <li>The second incision was made over the midline to perform the appendectomy.</li> <li>The floor of the inguinal canal was closed with suture. No mesh was placed.</li> <li>The patient tolerated the procedure well.</li> </ul>
<ul> <li>Of these herniated appendices, there is only</li> </ul>	Fig. 2 Post-surgical wound			Fig 1. Abdominal Computed Tomography		<ul> <li>The patient was discharged with a wound VAC after six days in the hospital.</li> </ul>
a 0.07-0.13% likelihood of acute appendicitis occurring. <sup>4-8</sup>		Kor				
<ul> <li>Against this backdrop, encountering a female patient with Amyand's hernia and perforated appendicitis becomes an exceptionally unique clinical scenario.</li> </ul>						<ul> <li>Discussion</li> <li>Amyand's hernias with complicated appendicitis is a unique finding, especially in a female patient.<sup>4-8</sup></li> </ul>
History of Present Illness						<ul> <li>Providers should recognize that the appendix can perforate and be contained within the</li> </ul>
<ul> <li>A 78-year-old Caucasian female presented to the emergency department with two weeks of right lower quadrant (RLQ) abdominal pain as well as a RLQ mass for one month</li> </ul>						<ul> <li>hernia sack, masking peritoneal signs.<sup>3</sup></li> <li>Traditional indicators of acute appendicitis, such as anorexia, rebound tenderness, and leukocytosis, may not manifest in a typical</li> </ul>
<ul> <li>Intermittent nausea and decreased appetite secondary to abdominal pain with food</li> </ul>	Table 1. Losanoff-Basson classification & management of Amyand's hernia9					<ul> <li>fashion.<sup>3</sup></li> <li>The method for AH repair largely depends on</li> </ul>
consumption	Type of Hernia	1	2	3	4	the level of contamination in the inguinal canal. See Table 1 for Losanoff-Basson Classification. <sup>9</sup>
<ul> <li>The patient denied changes in bowel habits, emesis, recent weight loss, fever, chills, shortness of breath or chest pain</li> </ul>	Salient Features	Normal appendix	Acute appendicitis localized in the sac	Acute appendicitis, peritonitis	Acute appendicitis, other abdominal pathology	<ul> <li>In this patient, due to the degree of contamination, no mesh was used in the repair of the inguinal canal.</li> </ul>
• Past medical history significant for diabetes mellitus type 2, hypothyroidism, lymphocytic		Reduction or		Appendectomy	Appendectomy,	References
<ul> <li>leukemia, rheumatoid arthritis, immune thrombocytopenic purpura, osteoporosis</li> <li>Family and social history non-contributory</li> </ul>	Surgical Management	appendectomy	Appendectomy through hernia, endogenous repair	through laparotomy, endogenous repair	diagnostic workup and other procedures as appropriate	<ol> <li>Amyand C. VIII of an ingual negree, with a pin in the appendix coee, incruded with store, and some observations on wannds in the gate Philosophical Transactions of the Royal Society of London V155, 50(44), doi: 10.1098/trl.1173.50171.</li> <li>Saleda R, Matya A, Mianowski V Amyand's herma a report of two caset <i>Hernia</i>. 2003;7(1):50-51. doi: 10.1007/s1003-902-0093-x</li> <li>Manatka DK, Tasi N, Antonopoldo ML, et al. Rowning Amyand's Herma. A 104 Year Systematic Revew World J Surg. 2012;15(5):163-170 doi:10.1007/s10023-021-05983'y</li> <li>The Herma Marge Group Biotechic Bernia and States and Amine Amyand's Herma. A 104 Year Systematic Revew World J Surg. 2012;15(45):163-170 doi:10.1007/s10023-021-05983'y</li> <li>The Herma Marge Group Biotechic Bernia and States and Adren Affernia 2003;13(0):40-11 doi:10.1007/s10029-009-4528-3 6</li> <li>Kaymakes A, Ashilogin L, Adonyan J, et al. Amyand's herma a reset of 30 cases in duiters. <i>Hernia</i>. 2007;13(0):30-01-11 doi:10.1007/s10029-009-4528-3 6</li> <li>Unit M, Marge A, Shethwas NK, et al. Amyand's herma a report of 18 consecutive patients over a 15-year penod. <i>Hernia</i>. 2007;11:31-35. doi: 10.1007/s10029-006-0153-3</li> <li>Imm I, Mysre FO, Hagen MC, Gorazalez M, Morel P. Amyand's herma: 10-year's experience. Surgeon. 2009;7(4):188-302. doi:10.1016/s1478-6650(9):80084-x Longon CHE. Research MC, Amyand's herma: a casen's ensagement. Hernia. 2008;7(3):33:35-6. doi: 10.1007/s10029-008-6533-9 Jan 24. PMID: 18214637.</li> </ol>