

Supplementary Materials

Table S1. Characteristics and clinical presentation for the 92 patients with stomach-containing groin hernias, ordered by chronological occurrence and stratified by inguinal versus femoral hernia.

n	Reference, Year	Age	Sex	Laterality	Clinical Presentation
Inguinal Hernias					
1	Lallement, 1802[1]	64	Male	NR	Abdominal pain/discomfort and vomiting
2	Yvan, 1830[2]	NR	Male	NR	Vomiting
3	Febre, 1832[3]	73	Male	Right	No symptoms
4	Fogt, 1884[4]	60	Male	Left	Vomiting
5	Schmidt, 1885[5]	65	Male	Left	Hematemesis and inguinal pain
6	Chiari, 1888[6]	74	Male	Right	No symptoms
7	Lewin, 1893[7]	53	Male	Left	Emesis and pain
8	Chevereau, 1894[8]	77	Male	Left	Emesis and pain
9	Souligoux, 1896[9]	NR	Male	Left	NR
10	Brunner, 1897[10]	28	Male	NR	NR
11	Hilgeneriner, 1910[11]	52	Female	Left	Pain and vomiting
12	Chambard, 1912[12]	62	Male	Left	Vomiting, pain, and an incarcerated hernia
13	Rieder, 1915[13]	62	Male	Left	Hematemesis and melena
14	Ahrens, 1920[14]	40	Male	Right	Pain
15	Maag, 1920[15]	81	Male	Left	No symptoms
16	Stokes, 1922[16]	42	Male	Right	Vomiting and an incarcerated hernia
17	Elischer, 1923[17]	53	Male	Left	Nausea and an incarcerated hernia
18	Elischer, 1923[17]	70	Male	Left	Incarcerated hernia
19	Dressen, 1925[18]	62	Male	Left	Vomiting, pain, and inguinal symptoms when eating
20	de Vernejoul, 1925[19]	57	Female	Left	NR
21	Sicot, 1927[20]	59	Male	Left	Pain, vomiting, and dyspepsia
22	Lipkin, 1928[21]	60	Male	Left	Incarcerated hernia
23	Siegmund, 1929[22]	NR	Male	Right	NR
24	Novaro, 1930[23]	53	Male	Right	Vomiting, pain, and an irreducible hernia
25	Rodzevich, 1935[24]	54	Male	Left	Vomiting and abdominal pain
26	Oakley, 1937[25]	81	Male	Right	Abdominal and groin pain
27	Herrmann, 1937[26]	80	Male	Left	Vomiting
28	Lemaitre, 1937[27]	51	Male	Left	Dyspepsia
29	Lust, 1937[28]	62	Male	Left	NR
30	Aleksandrovskev, 1940[29]	73	Male	Left	Incarcerated hernia
31	Feldman, 1943[30]	66	Male	Right	No symptoms
32	Hartley, 1945[31]	67	Male	Left	Dyspepsia
33	Simmons, 1949[32]	66	Male	Left	Nausea, vomiting, and abdominal pain
34	Lewis, 1950[33]	69	Male	Right	Occasional vomiting
35	Anger, 1952[34]	74	Male	Left	Vague symptoms
36	Bernard, 1953[35]	NR	NR	NR	NR
37	Meinterz, 1953[36]	NR	NR	NR	NR
38	Davey, 1954[37]	61	Male	Left	Vomiting with markedly distended and tense abdomen
39	Legrand, 1955[38]	NR	NR	NR	NR
40	D'Eshougues, 1956[39]	NR	NR	NR	NR
41	Allende, 1956[40]	NR	NR	NR	NR
42	Kislenskii, 1959[41]	NR	NR	Left	NR
43	Hagarty, 1959[42]	NR	NR	NR	NR
44	Ship, 1960[43]	83	Male	Left	Persistent nausea and vomiting
45	Herrera, 1960[44]	NR	NR	NR	NR
46	Jackson, 1964[45]	NR	NR	NR	Strangulation and perforation of the stomach in the inguinal canal
47	Falugiani, 1968 ^a	NR	NR	NR	NR
48	Gue, 1970[46]	NR	NR	NR	NR

49	Soudek, 1975[47]	NR	NR	NR	NR
50	Padmanabhan, 1976[48]	65	Male	Left	NR
51	Nagendran, 1977[49]	NR	NR	NR	NR
52	Rozencwajg, 1981[50]	NR	NR	NR	NR
53	Udwadia, 1984[51]	NR	NR	NR	Hematemesis
54	Quaranta, 1984[52]	NR	NR	NR	NR
55	Resente, 1986[53]	NR	NR	NR	NR
56	Naraynsingh, 1987[54]	62	Male	Left	Recurrent bouts of vomiting, recurrent GOO
57	Levy, 1987[55]	49	Male	Left	Abdominal pain, nausea, and weight loss
58	Loizate, 1988[56]	NR	NR	NR	Upper gastrointestinal tract hemorrhage
59	Broquet, 1992[57]	64	Female	Bilateral	Perforation of gastric ulcer within the hernia sac
60	Diaz, 1997[58]	NR	NR	NR	NR
61	Diaz, 1997[58]	NR	NR	NR	NR
62	Walgenbach, 2001[59]	72	Male	Left	A 6-hour history of abdominal distension and pain
63	Birnbaum, 2011[60]	86	Male	Right	Nausea and vomiting
64	Dogar, 2011[61]	65	Male	Left	Irreducible groin bulge, abdominal pain, distention, darkish red vomitus, and obstipation
65	Kerschaefer, 2012[62]	79	Male	Left	Anorexia, vomiting, and abdominal distension
66	Ogul, 2013[63]	56	Male	Left	Recurrent vomiting and bilateral incarcerated groin bulges
67	Ferdinand, 2013[64]	73	Male	Right	Iron deficiency anemia and gastric volvulus
68	Fazekas, 2014[65]	85	Male	Left	Three-day history of gastrointestinal obstructive symptoms
69	Creedon, 2014[66]	87	Male	Left	Colicky abdominal pain for 48 hours and vomiting
70	Patel, 2014[67]	85	Male	Left	3-day history of profuse vomiting and abdominal pain
71	Lajevardi, 2015[68]	83	Male	Left	Four-day history of vomiting and constipation
72	Fitz, 2016[69]	46	Male	Bilateral	Severe abdominal pain after dinner brought in by ambulance to the emergency department
73	Mora-Guzman, 2016[70]	79	Male	Right	Abdominal pain and vomiting
74	Perez-Pueyo, 2016[71]	61	Male	Left	Gastric necrosis secondary to an incarcerated inguinal hernia
75	Nugud, 2017[72]	67	Male	Left	Bilious vomiting with abdominal pain
76	Sayad, 2019[73]	50	Male	NR	Severe abdominal pain
77	Junge, 2019[74]	75	Male	Left	Abdominal pain and nausea
78	Mehta, 2019[75]	75	Male	Left	5-day history of hematemesis
79	Heylen, 2020[76]	74	Male	Left	Dark vomitus and generalized abdominal tenderness
80	Patel, 2021 ^a	84	Male	NR	Nausea, vomiting, constipation, GOO, and eventual peritonitis
81	Vinod, 2021[77]	49	Male	Left	Acute abdominal pain with nausea and dysuria
82	Alexandre, 2022[78]	71	Male	Left	Nausea, vomiting, constipation, and GOO
83	Grantham, 2022[79]	81	Male	Left	Coffee ground emesis
84	Abbakar, 2022[80]	84	Male	Right	Double GOO. One-day history of severe abdominal pain and dark brown vomiting
85	Huerta, 2023 ^a	77	Male	Left	Abdominal pain, nausea, vomiting, and GOO
Femoral Hernias					
1	Keller, 1885[81]	47	Female	Left	3-day history of abdominal pain and vomiting
2	Spiegel, 1920[82]	55	Female	Left	Gastric strangulation
3	Cave, 1948[83]	56	Female	Left	Dyspepsia
4	Davey, 1954[37]	68	Male	Left	No symptoms
5	Cade, 1984[84]	79	Female	Left	Abdominal pain, emesis, and hematemesis
6	Natsis, 2008[85]	67	Male	Left	Findings at autopsy

GOO, gastric outlet obstruction; NR, not recorded; ^aFrom posters, abstracts, presentations, and/or present case.

References reporting of Stomach-Containing Groin Hernias (SCOGH)

Twelve reports appear in the literature between 1802 and 1897.[1-10,81] Most of the cases of SCOGH presented in this manuscript appeared in the literature in the 1900's.[11-58,82-84] Twenty-six reports have been reported in the past 23 years including ours.[59-80,85] References were described as complete as possible. Previous review articles were used for reference material if no other data were available.[37,43] Older manuscripts and/or manuscripts in non-English languages had fewer reference data available.

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