

Supplemental Data

Supplementary Table 1: List of articles that met inclusion criteria for systematic review on Ortner's Syndrome

Article number	Year	Author	Title	Number of OS cases
1	1955	Fife, R.	Laryngeal Paralysis associated with Mitral Stenosis (Ortner's Syndrome) : report of 2 cases	2
2	1966	Camishion, RC	Paralysis of the Left Recurrent Laryngeal Nerve secondary to mitral valvular disease: Report of two cases and literature review	2
3	1966	Pai, KN	Ortner's Syndrome: Report of 2 cases	2
4	1970	Vigg, BL	Ortner's Syndrome	3
5	1972	Solanki, SV	Ortner's Syndrome	2
6	1973	Agrawal, JK	Silent mitral stenosis with Ortner's Syndrome	1
7	1973	Sharma, NG	Ortner's Syndrome	1
8	1975	Kagal, AE	Ortner's Syndrome associated with primary pulmonary hypertension	3
9	1975	Karhade, NV	Mitral Valve Disease associated with Tracheal tug and Ortner's Syndrome	1
10	1978	Victor, S	Ortner's Syndrome Following Intracardiac Repair for Tetralogy of Fallot	1
11	1979	Bahl, DV	Ortner's Syndrome: Case Report	2
12	1985	Nakao, M	Left recurrent laryngeal Nerve Palsy Associated with a primary pulmonary hypertension and PDA	2
13	1992	Chan, P	Caridovocal (Ortner's) Syndrome Left recurrent laryngeal nerve palsy associated with cardiovascular disease	5
14	1997	Thirlwall, AS	Ortner's Syndrome : A centenary review of unilateral recurrent laryngeal palsy secondary to cariothoracic disease	1
15	1998	Sengupta, A	Ortner's Syndrome Revisited	3
16	1999	Khan, IA	Painless Aortic Dissection presenting as Hoarseness of Voice: Cardiovocal syndrome	1
17	2000	Kishan, CV	Ortner's Syndrome in Association with mitral valve prolapse	1
18	2001	Hebl, JR	Postoperative Left vocal cord dysfuction caused by Ortner's cardiovocal syndrome	1
19	2001	Day, JRS	A spontaneous Ductal Aneurysm presenting with left recurrent laryngeal nerve palsy	1
20	2001	Foster, PK	Vocal Fold Paralysis in painless aortic dissection (Ortner's Syndrome)	1
21	2002	Bickle, IC	Ortner's Syndrome: a radiological diagnosis	1
22	2004	Mohammed, AL	Hoarseness of voice in a patient with mitral stenosis and Ortner's syndrome	1
23	2004	Panwar, CS	High Altitude Induced Ortner's Syndrome	3
24	2004	Annema, JT	A rare cause of Ortner's Syndrome (cardio vocal hoarseness)	1
25	2004	Stoob, K	Resolution of Hoarseness of Voice after endovascular repair of thoracic Aortic Aneurysm	1
26	2005	Phua, GC	Beyond Ortner's Syndrome: Unusual Pulmonary Compilation of Giant Left Atrium	2
27	2005	Wiebe, S	Answer to case of the month #102. Ortner's syndrome (cardiovocal syndrome).	1
28	2006	Lydakis, C	Hoarseness as imminent symptom of aortic aneurysm rupture (Ortner's syndrome).	1
29	2006	Mathai, J	Hoarseness as a presenting feature of Aortic Arch Aneurysm	1
30	2006	Escribano, JFG	Ortner's Syndrome and endoluminal treatment of a thoracic Aortic Aneurysm	1
31	2006	Lee, SI	Dysphagia and Hoarseness associated with painless Aortic Dissection: A rare cause of Cardiovocal Syndrome	1
32	2007	Gulel, O	Ortner's Syndrome associated with aortic arch aneurysm	1
33	2007	Wunderlich, C	Ortner's syndrome or cardiovocal hoarseness	1
34	2008	Fennessy, BG	Cardiovascular Hoarseness: An unusual presentation to Otolaryngologists	1
35	2008	Kokotsakis, J	Acute Ortner's syndrome: Arising form ductus Arteriosus Aneurysm	1
36	2008	Vlachou, PA	Ortner's Syndrome: An unusual cause of Hoarse Voice	1
37	2008	Gothi, R	Spontaneous aneurysm of ductus arteriosus: A rare cause of hoarseness of voice in adults	1
38	2009	Yuan, SM	Cardiovocal syndrome secondary to an aortic pseudoaneurysm	1
39	2009	Chen, RF	Ortner's Syndrome: A rare cause of Unilateral vocal cord paralysis: A case report	1
40	2010	Lambertucci, JR	Left recurrent laryngeal palsy (Ortner's syndrome) in schistosomal pulmonary hypertension	1
41	2010	Plastiras, SC	Ortner's Syndrome: A multifactorial Cardiovocal syndrome	1
42	2010	Melle, JPV	Ortner's Syndrome Presentation of Two cases with cardiovocal Horseness	2
43	2010	Mickus, TJ	An uncommon cause of Ortner's Syndrome	1
44	2011	Garrido, JM	Giant Aortic Arch Aneuysm and cardiovocal syndrome: still an open surgery indication	1
45	2011	Delgado, OP	Images in clinical medicine. Ortner's syndrome	1
46	2011	Subramaniam, V	Ortner's Syndrome: a case series and Literature review	4
47	2011	Lin, WS	Ortner's Syndrome	1
48	2012	Edrees, A	Ortner's Syndrome as a presenting feature of giant cell arteritis	1
49	2012	Sawa, A	Ortner's Syndrome in a patient with COPD	1
50	2012	Heikkinen, J	Cardiovocal Syndrome: Associated with chronic thrombemboic pulmonary hypertension and Giant pulmonary artery anyresum	1
51	2012	Matteucci, MLS	Aortic Arch Patch Aortoplasty for Ortner's syndrome	1
52	2012	Gupta, P	Ortner's Syndrome: secondary to Aortic Aneurysm	1
53	2012	Eccles, SR	Ascending Aortic Aneurysm causing hoarseness of voice a variant of Ortner's Syndrome	1
54	2013	Ozyurtlu, F	Ortner's Syndrome caused by dissecting aortic aneurysm	1
55	2013	Matsuo, S	Ortner's Syndrome associated with hypertensive cardiac diseases	1
56	2013	Andjlovic, K	Two rare conditions in an Eisenmenger patient: Left main coronary artery compression and Ortner's syndrome due to pulmonary artery dilatation	1
57	2013	Okoye, O	Ortner's Syndrome: A rare cause of Hoarseness	1
58	2014	Sandoval, ARH	Ortner's Syndrome: A case report and review of the literature	1
59	2014	Arifputera, A	An unusual case of dysphonia and dysphagia	1
60	2014	Shahul, HA	Ortner's Syndrome	1
61	2014	Shah, MUA	Aortic Aneurysm: A rare cause of Ortner's syndrome	1
62	2015	Zangirolami, ACA	Ortner's Syndrome: Secondary Laryngeal paralysis caused by a great thoracic aortic aneurysm	1
63	2015	Dutra, BL	Ortner's Syndrome: a case report and literature review	1
64	2015	Handa, GCA	Ortner's Syndrome: A rare cause in an elderly smoker	1
65	2015	Wang, JY	Aortic Dissection manifesting as dysphagia and hoarseness: Ortner's Syndrome	1
66	2015	Gorospe, L	Ortner's Syndrome: secondary to a huge left atrium	1
67	2015	Maskey, M	Left Brachiocephalic Vein Stenosis and infection aortitis, two unusual cause of Ortner's Syndrome	2
68	2015	Gnagi, SH	Acute Contained Ruptured Aortic Aneurysm presenting as left vocal fold immobility	1
69	2015	Pathirana, U	Ortner's Syndrome Presenting As Thoracic Aortic Aneurysm mimicking Thoracic Malignancy	1
70	2015	Verbeke, X	Hoarseness revealing Ortner's syndrome	1
71	2016	Kindi, AHA	Ortner's Syndrome: Cardiovocal Syndrome caused by aortic arch pseudoaneurysm	1
72	2016	David, JJ	Unilateral right pulmonary artery agenesis and congenital cystic adenomatoid malformation of the right lung with Ortner's syndrome	1
73	2016	Klee, K	Unilateral Recrrent Nerve Palsy and cardiovascular Disease: Ortner's syndrome	2
74	2016	Ogawa-Momohara, M	Otner's syndrome caused by pulmonary hypertension associated with mixed connective tissue disease	1
75	2016	Mesolella, M	Delayed recurrent Nerve Paralysis following Post traumatic aortic Pseudo Anyreusm	1
76	2016	Deveci, OS	Case Images: Ortner's Syndrome caused by ductus arteriosus aneurysm	1
77	2016	Martins, RHG	Ortner's Syndrome: A rare cause of sudden Hoarseness in the older Person	1
78	2016	Akbulut, S	Laryngeal Electromyography is helpful for cardiovocal syndrome	1
79	2016	De Freitas, S	Ductus arteriosus aneurysm presenting as hoarseness: successful repair with an endovascular approach	1
80	2016	Sarin, V	Ortner's Syndrome: A rare cause of Hoarseness: its importance to an Otorhinolaryngologist	1
81	2017	Acharya, MN	Rapid resolution of Ortner's Syndrome with giant left atrium after double valve replacement surgery	1
82	2017	Sarangi, PK	Combined Left recurrent Laryngeal Nerve and Phrenic Nerve Palsy: A rare presentation of thoracic Aortic Aneurysm	1
83	2017	Sahoo, S	Unusual case of opaque Hemithorax	1
84	2018	Alsheikh, B	Pediatric Pulmonary Hypertension caused by an ACVRL1 mutation presenting as Ortner's Syndrome	1
85	2018	Karkowski, G	Ortner's Syndrome after cryoballoon ablation	1
86	2018	Tamiraju, I	Ortner's Syndrome (Cardiovocal Hoarseness) – A rare entity in modern era	1
87	2018	Coen, M	Progressive Dysphonia: Ortner's syndrome	1
88	2018	Sim, MY	A Hoarse warning: Ortner's syndrome	1
89	2018	Kyaw, WA	A fatal cause of Ortner's syndrome and dysphagia: Aortica secondary to rapidly expanding mycotic thoracic	1
90	2019	Lamas, ES	Ortner's Syndrome due to giant cell arteritis	1
91	2019	Zheng, XZ	Successful Thoracic Endovascular Aortic repair in Ortner's syndrome	1
92	2021	Jeong, JO	Ortner's Syndrome Discovered by a Routine Echocardiographic Examination: a Huge Aneurysmal Dilatation of the Aortic Arch as a Cause of Hoarseness	1