

S6 Table. Clinical manifestation of retrograde type A dissection

Author	Year	RTAD (n)	Clinical Manifestations RTAD
Czermak	2002	1	Chest and backpain
Palmer	2002	2	No symptoms (one cases) and chest pain (one case)
Dong Xu	2005	3	No symptoms
Neuhauser	2008	5	New-onset chest pain
Dong	2009	11	Syncope, hypotension, dyspnea, hypoxemia, chest pain, and sudden death
Parsa	2011	2	Chest pain (one case of 2 cases)
Idrees	2014	15	Chest and/or back pain
Gorlitzer	2012	4	No symptoms (in one patient)
Cochernec	2013	4	Asymptomatic
Li	2014	6	Chest pain in 16 cases and uncontrolled hypertension after TEVAR in 14 cases. Asymptomatic in 8 cases
Wang	2016	5	Case 1: disturbance of consciousness and blood pressure decrease suddenly; Case 2: severe chest and back pain; Case 3: Chest discomfort; Case 4: Chest pain; Case 5: none (during surgery)
Zhao Liu	2017	6	Serious chest pain (1 case), other cases (unknown)
Chen	2018	1	Persistent chest and back pain
Yamine	2019	15	9 cases Chest pain and five cases on routine CTA and one cases intra-OP

Lei Liu	2016	11	9 cases with RTAD (chest pain), 1 case (refractory HTN) and 1 case (Aneurysmal dilatation)
Hu	2019	12	Chest pain and backpain (the most) and others (headache or syncope)