

**S4 Table.** Time to occurrence of retrograde type A dissection

First Author	RTAD	RTAD after TEVAR	0-14 days	Early 30 days	1-12 months	after one year	Early RTAD	Late RTAD
Czermak	1	one month after TEVAR	0	1	0	0	1	0
Kato	1	as late complication	NR	NR	NR	NR	0	1
Palmer	2	as early complication (during one week)	1	1	0	0	NR	NR
Fattori	2	one cases at 8th day after TEVAR and one cases during 20 days after TEVAR	1	2	0	0	2	0
Grabenwoger	1	Three months after TEVAR	0	0	1	0	1	0
Hansen	1	2 months after TEVAR	0	0	1	0	1	0
Lee	1	1 month after TEVAR	0	1	0	0	1	0
Dong Xu	3	First case: intraoperative, second case: POD 1, and third case: POD7	3	3	0	0	3	0
Fattori	2	In-Hospital	2	2	0	0	2	0
Duebener	1	NR	NR	NR	NR	NR	NR	NR
Zipfel	1	Intraoperative	1	1	0	0	1	0
Kpodonu	6	POD1, POD10, 1 month, 19 month, 21 month, and 30 month	2	3	0	3	3	3

Neuhauser	5	POD3, POD3, POD 26, POD29, POD1170	2	4	0	1	4	1
Dong	11	2 cases intraoperative, 2h, 1 week, 2 cases one month, 6 months, 9 months, 12 months, 29 months, 36 months	3	6	3	2	6	5
Chiesa	3	During 3 months after TEVAR	NR	NR	NR	0	3	0
Kim	3	NR	NR	NR	NR	NR	NR	NR
Oberhuber	1	7 months after TEVAR	0	0	1	0	0	1
Parsa	2	Intraoperative, POD 5	2	2	0	0	2	0
Wiedemann	3	NR	NR	NR	NR	NR	NR	NR
Lotfi	3	1 patient during 1 month and other patients no data	0	1	NR	NR	1	NR
Wiedemann	6	NR	NR	NR	NR	NR	NR	NR
Faure	1	NR	NR	NR	NR	NR	NR	NR
Idrees	15	3 cases during 1 month after TEVAR and 12 cases during first 6 months	NR	3	12	0	3	12
Zhang	2	NR	NR	NR	NR	NR	NR	NR
Gorlitzer	4	3 cases (immediately after TEVAR) and 1 case POD 7	4	4	0	0	4	0

Huang	4	2 cases (immediately after TEVAR), POD9, POD10	4	4	0	0	4	0
Cochernec	4	2 cases (in hospital), 2 cases (unknown)	2	2	NR	NR	2	NR
Shuyang Lu	9	NR	NR	NR	NR	NR	NR	NR
Yang	1	1 case during 4 months	0	0	1	0	0	1
Bunger	1	1 case (POD 14)	1	1	0	0	1	0
Canaud	11	NR	NR	NR	NR	NR	NR	NR
Lombardi	3	2 cases during one months and 1 cases during one year	NR	2	1	0	2	1
Jia	3	2 cases: Intraoperatively and conversion to open reapir and 1 case: late	2	NR	NR	NR	2	1
Li	6	NR	NR	NR	NR	NR	NR	NR
Hanna	1	Intraoperatively: emergent repair of RTAD detected on completion TEE after endovascular repair	1	1	0	0	1	0
De Rango	4	1 cses (intra-OP), 1 case (POD10) and 2 cases (durng 30 days after TEVAR)	2	4	0	0	4	0
Appoo	0	0 cases	0	0	0	0	0	0

Desai	9	7 Cases RTAD during one year and 2 Cases RTAD after one year	0	0	7	2	0	9
Kische	1	POD 13	1	1	0	0	1	0
Bockler	1	1 cases RTAD during 30 days)	0	1	0	0	1	0
Faure	1	POD 4	1	1	0	0	1	0
Wang	5	Case 1: 13 days; Case 2: 30 days; Case3: 10 days; Case 4: 1 year; Case 5: Intraoperative	3	4	1	0	4	1
Asaloumidis	2	POD 10 and POD 20	1	2	0	0	2	1
Zhao Liu	6	NR	NR	NR	NR	NR	NR	NR
Min-Hong Zhang	3	1, and 8 and 21 months after TEVAR	0	1	1	1	1	2
Tjaden	6	NR	NR	NR	NR	NR	NR	NR
Tao Ma	27	NR	NR	NR	NR	NR	NR	NR
Laquian	1	in hospital	1	1	0	0	1	0
Chen	1	NR	NR	NR	NR	NR	NR	NR
Piotr Buczkowski	2	during first 30 days	NR	2	0	0	2	0
Eleshra	1	RTAD 39 days after TEVAR	0	0	1	0	1	0
Fukushima	0	NR	NR	NR	NR	NR	NR	NR
Wang	6	during first 30 days	NR	6	NR	NR	6	NR

Yamine	15	1 case (Intra-OP), 5 cases (during first 30 days), 6 cases (during 1 year) and 3 cases (after One year)	1	6	6	3	NR	NR
Miura	0	NR	NR	NR	NR	NR	NR	NR
Chassin-Trubert	0	NR	0	0	0	0	0	0
Pellenc	0	NR	0	0	0	0	0	0
Jiechang Zhu	0	NR	0	0	0	0	0	0
Riesterer	1	POD 6	1	1	0	0	1	0
Giles	12	NR	NR	NR	NR	NR	NR	NR
Kuo	2	NR	NR	NR	NR	NR	NR	NR
Joo	2	2, and 30 months after TEVAR	0	0	1	1	1	1
Cao	4	NR	NR	NR	NR	NR	NR	NR
El-Beyrouti	0	NR	NR	NR	NR	NR	NR	NR
Charltonow	3	NR	NR	NR	NR	NR	NR	NR
Lou	3	NR	NR	NR	NR	NR	NR	NR
Lee	2	first case RTAD (715 days after TEVAR) and second case RTAD (1550 days after TEVAR)	0	0	0	2	0	2
Oshi	1	7 months after TEVAR	0	0	1	0	0	1
Puech-Leao	4	4 cases: Intraoperative	4	4	0	0	4	0
Sobocinski	2	during 30 days	NR	2	NR	NR	2	NR

Shuo Zhao	1	POD 5	1	1	0	0	1	0
Bavaria	2	POD5, POD56	1	0	1	0	2	0
Peidro	2	NR	NR	NR	NR	NR	NR	NR
Ding	1	3 months after TEVAR	0	0	1	0	1	0
Nozdrzykowskia	1	NR	NR	NR	NR	NR	NR	NR
Lei Liu	11	2 cases RTAD (during first week), 6 cases (during first month), 1 case (after 4 months), 1 case (after 5 months) and 1 case (after 8 months)	2	8	3	0	8	3
Hu	12	NR	NR	NR	NR	NR	NR	NR
Gao	4	NR	NR	NR	NR	NR	NR	NR