

**Table S1** The list of case reports

| Number | Author                           | Published year | Title   |
|--------|----------------------------------|----------------|---|
| 1      | Blankenship JC, et al. (30)      | 1989           | Cardiovascular complications of thrombolytic therapy in patients with a mistaken diagnosis of acute myocardial infarction   |
| 2      | Marian AJ, et al. (31)           | 1993           | inadvertent administration of rTPA to a patient with type 1 aortic dissection and subsequent cardiac tamponade  |
| 3      | Luciani GB, et al. (32)          | 1993           | Mechanical assist device for right ventricular failure after acute aortic dissection  |
| 4      | Garvey P, et al. (33)            | 1998           | Aortic dissection and myocardial infarction in a pregnant patient with Turner syndrome  |
| 5      | Shapira OM, et al. (34)          | 1998           | Functional Left Main Coronary Artery Obstruction Due to Aortic Dissections  |
| 6      | Tominaga R, et al. (35)          | 1999           | Acute Type A Aortic Dissection Involving the Left Main Trunk of the Coronary Artery A Report of Two Successful Cases  |
| 7      | Chang HC, et al. (36)            | 2004           | Aortic intramural hematoma presenting as acute inferior wall MI with cardiogenic shock  |
| 8      | Ashida K, et al. (37)            | 2000           | A case of aortic dissection with transient ST-segment elevation due to functional left main coronary artery obstruction   |
| 9      | Hu SY, et al. (38)               | 2001           | Acute Myocardial Infarction Caused by Aortic Dissection   |
| 10     | Pinney SP, et al. (39)           | 2002           | Anterior myocardial infarction, acute aortic dissection, and anomalous coronary artery  |
| 11     | Scarabeo V, et al. (40)          | 2002           | dissection of the ascending aorta mimicking an acute coronary syndrome: usefulness of transthoracic echocardiography for the differential diagnosis                                       |
| 12     | Chan KC, et al. (41)             | 2003           | Acute aortic dissection developing acute myocardial infarction diagnosed by accidentally inserting the catheters into the false lumen during catheterization: a pitfall and rare image    |
| 13     | Kameda M, et al. (42)            | 2003           | Acute Type A aortic dissection complicated with acute inferior myocardial infarction following aortic valve replacement   |
| 14     | Hibi K, et al. (43)              | 2003           | Images in cardiovascular medicine. Intracoronary ultrasound diagnosis of an aortic dissection causing anterior acute myocardial infarction  |
| 15     | Almassi GH, et al. (44)          | 2003           | Proximal prolapse of aortic intimal flap: a rare complication of acute Type A aortic dissection   |
| 16     | Kwon KS, et al. (45)             | 2004           | A Case of Left Main Coronary Stenting for Acute Myocardial Infarction Complicated by Ascending Aortic Dissection  |
| 17     | Sung L, et al. (46)              | 2005           | Acute Myocardial Infarction Caused by Acute Ascending Aortic Dissection   |
| 18     | Imoto K, et al. (47)             | 2005           | Stenting of a left main coronary artery dissection and stent-graft implantation for acute Type A aortic dissection  |
| 19     | Kawano H, et al. (48)            | 2006           | Aortic dissection associated with acute myocardial infarction and stroke found at autopsy   |
| 20     | Na SH, et al. (49)               | 2006           | Images in cardiovascular medicine. Acute myocardial infarction caused by extension of a proximal aortic dissection flap into the right coronary artery: an intracoronary ultrasound image |
| 21     | Gu YL, et al. (50)               | 2006           | Aortic dissection presenting as acute myocardial infarction: potential harm of antithrombotics and antiplatelet therapy   |
| 22     | Horszczaruk GJ, et al. (51)      | 2006           | Aortic dissection involving ostium of right coronary artery as the reason of myocardial infarction  |
| 23     | Lee C H, et al. (52)             | 2007           | Type A aortic dissection: a hidden and lethal cause for failed thrombolytic treatment in acute myocardial infarction  |
| 24     | Tarver K, et al. (53)            | 2007           | Extensive aortic dissection presenting as acute inferior myocardial infarction  |
| 25     | Omar AR, et al. (54)             | 2007           | Peripartum acute anterior ST-segment elevation myocardial infarction: an uncommon presentation of acute aortic dissection   |
| 26     | Cook J, et al. (55)              | 2007           | Aortic dissection presenting as concomitant stroke and STEMI  |
| 27     | Zegers ES, et al. (56)           | 2007           | Acute myocardial infarction due to an acute type A aortic dissection involving the left main coronary artery  |
| 28     | Radwan K, et al. (57)            | 2007           | Acute aortic dissection imitating ST-elevation myocardial infarction with accompanying pulmonary embolism   |
| 29     | Jo SH, et al. (58)               | 2008           | Coronary artery dissection associated with ascending aortic dissection  |
| 30     | Forbes RA, et al. (59)           | 2008           | Aortic dissection mimicking acute myocardial infarction: the perils of prehospital care   |
| 31     | Marek D, et al. (60)             | 2008           | Mistakes in dealing with aortic dissection. Lessons from three warning cases  |
| 32     | Camaro C, et al. (61)            | 2009           | Acute myocardial infarction with cardiogenic shock in a patient with acute aortic dissection  |
| 33     | Bilge M, et al. (62)             | 2009           | Penetrating atherosclerotic aortic ulcer mimicking acute inferior myocardial infarction   |
| 34     | Patanè S, et al. (63)            | 2009           | Obstruction of the right coronary artery ostium due to acute aortic dissection  |
| 35     | Ohki S, et al. (64)              | 2009           | Pulsatile coronary artery luminal compression caused by aortic dissection   |
| 36     | Sir JJ, et al. (65)              | 2009           | Acute Myocardial Infarction Due to Aortic Dissection  |
| 37     | Luo JL, et al. (66)              | 2009           | Type A aortic dissection manifesting as acute myocardial infarction: still a lesson to learn  |
| 38     | Dermengiu S, et al. (67)         | 2009           | Spontaneous aortic dissection due to cystic medial degeneration. Report of a sudden death case and literature review  |
| 39     | Dorman SH, et al. (68)           | 2008           | Acute aortic dissection mimicking an acute coronary syndrome through occlusion of the right coronary artery   |
| 40     | Yunoki K, et al. (69)            | 2010           | Stenting of right coronary ostial occlusion due to thrombosed Type A aortic dissection: One-year follow-up results  |
| 41     | Charmanphol N, et al. (70)       | 2010           | Coronary spasm due to Type A aortic dissection complicated by hemopericardium: a case report of another possible cause of coronary malperfusion   |
| 42     | Arrivi A, et al. (71)            | 2010           | Undetected acute aortic dissection in a patient referred for primary coronary angioplasty: a successful treatment of perioperative bleeding after abciximab administration                |
| 43     | Kaya MG, et al. (72)             | 2010           | Acute Type A aortic dissection in a patient with ventricular septal defect  |
| 44     | Ravandi A, et al. (73)           | 2011           | Percutaneous intervention of an acute left main coronary occlusion due to dissection of the aortic root   |
| 45     | Tsigkas G, et al. (74)           | 2011           | A successfully thrombolysed acute inferior myocardial infarction due to Type A aortic dissection with lethal consequences: the importance of early cardiac echocardiography               |
| 46     | Saxena P, et al. (75)            | 2011           | Left main coronary artery stenting prior to surgical repair of a type A aortic dissection   |
| 47     | Kaul P, et al. (76)              | 2011           | Innominate truncal dissection and rupture into right pleural cavity following acute Type A dissection of the aorta with right coronary ostial avulsion and inferior STEMI                 |
| 48     | Gong HR, et al. (77)             | 2012           | A case report of misdiagnosis of acute myocardial infarction complicated with aortic dissection   |
| 49     | Cockburn JA, et al. (78)         | 2012           | Novel use of a guiding catheter to relieve left main stem occlusion complicating Stamford type A aortic dissection  |
| 50     | Arrivi A, et al. (79)            | 2012           | Acute Aortic Dissection Mimicking STEMI in the Catheterization Laboratory: Early Recognition Is Mandatory   |
| 51     | Cai J, et al. (80)               | 2012           | Inferior myocardial infarction secondary to aortic dissection associated with bicuspid aortic valve   |
| 52     | Ali OM, et al. (81)              | 2012           | Trapdoor ischaemia: coronary ostial occlusion by an aortic dissection   |
| 53     | D'Aloia A, et al. (82)           | 2012           | A Type A Aortic Dissection Mimicking an Acute Myocardial Infarction   |
| 54     | Almansori M, et al. (83)         | 2012           | Aortic dissection compressing the left circumflex coronary artery   |
| 55     | Leonida C, et al. (84)           | 2013           | An uncommon presentation of acute Type A aortic dissection: left main coronary artery obstruction   |
| 56     | Okamoto M, et al. (85)           | 2012           | A Case of Acute Myocardial Infarction due to Left Main Trunk Occlusion Complicated with Aortic Dissection as Diagnosed by Intravascular Ultrasound  |
| 57     | Januszewski M, et al. (86)       | 2012           | Haemodynamic tracing pattern reveals acute Type A aortic dissection   |
| 58     | Fernández-Jiménez R, et al. (87) | 2012           | Acute aortic dissection with ongoing right coronary artery and aortic valve involvement   |
| 59     | Güvenç TS, et al. (88)           | 2013           | Acute aortic regurgitation with myocardial infarction: an important clue for aortic dissection  |
| 60     | Dalén M, et al. (89)             | 2013           | Ticagrelor-associated bleeding in a patient undergoing surgery for acute Type A aortic dissection   |
| 61     | Lentini S, et al. (90)           | 2013           | Hybrid management of acute Type A aortic dissection presenting as acute coronary syndrome   |
| 62     | Yang EH, et al. (91)             | 2013           | Circumferential type A aortic dissection and intimal intussusception of the aorta causing severe aortic regurgitation and obstruction of the left main coronary artery                    |
| 63     | Katayama A, et al. (92)          | 2013           | Partial root remodeling on the two sinuses for acute Type A aortic dissection with right coronary arterial dissection   |
| 64     | Kodera S, et al. (93)            | 2015           | Percutaneous coronary intervention is a useful bridge treatment for acute myocardial infarction due to acute Type A aortic dissection   |
| 65     | Wu BT, et al. (94)               | 2014           | Type A Aortic Dissection Presenting with Inferior ST-Elevation Myocardial Infarction  |
| 66     | Tang L, et al. (95)              | 2014           | Acute Stanford Type A Aortic Dissection Mimicking Acute Myocardial Infarction: A Hidden Catastrophe Which Should Prompt Greater Vigilance   |
| 67     | Kim SH, et al. (96)              | 2014           | IVUS images of the left main intramural hematoma from aortic dissection   |
| 68     | Kızıltan HT, et al. (97)         | 2014           | Intimal intussusception in aortic dissection and coexisting coronary artery disease   |
| 69     | Li CH, et al. (98)               | 2014           | Myocardial hypoperfusion in acute aortic dissection   |
| 70     | Hanaki Y, et al. (99)            | 2015           | Coronary stenting with cardiogenic shock due to acute ascending aortic dissection   |
| 71     | Ichihashi T, et al. (100)        | 2016           | Acute myocardial infarction due to spontaneous, localized, acute dissection of the sinus of Valsalva detected by intravascular ultrasound and electrocardiogram-gated computed tomography |
| 72     | Wang ZG, et al. (101)            | 2015           | Successful treatment of a case of acute myocardial infarction due to Type A aortic dissection by coronary artery stenting: A case report.   |
| 73     | Ruisi M, et al. (102)            | 2015           | Aortic dissection presenting as acute subtotal left main coronary artery occlusion: a case approach and review of the literature  |
| 74     | Hawatmeh A, et al. (103)         | 2016           | A case of ascending aortic dissection mimicking acute myocardial infarction and complicated with pericardial tamponade  |
| 75     | Chen A, et al. (104)             | 2015           | Aortic Dissection Manifesting as ST-Segment-Elevation Myocardial Infarction   |
| 76     | Erkan H, et al. (105)            | 2015           | Aortic dissection flap imitating intracoronary thrombus: an extremely rare angiographic presentation of acute myocardial infarction   |
| 77     | Ahn JH, et al. (106)             | 2015           | Paraparesis after Primary Percutaneous Coronary Intervention for ST-segment Elevation Myocardial Infarction: Combined Uncommon Complications of Acute Aortic Syndrome in a Patient        |
| 78     | Magno Palmeira M, et al. (107)   | 2016           | Aortic aneurysm with complete atrioventricular block and acute coronary syndrome  |
| 79     | Treptau J, et al. (108)          | 2016           | Angiographic detection of fatal acute aortic dissection Stanford type A under resuscitation   |
| 80     | Takahashi K, et al. (109)        | 2016           | Intravascular Ultrasound-Diagnosed Acute Aortic Dissection Involving Left Main Closure  |
| 81     | Doksöz A, et al. (110)           | 2017           | A case of aortic dissection complicating right subclavian artery occlusion and mimicking inferior myocardial infarction   |
| 82     | She J, et al. (111)              | 2016           | Chest Pain after Aortic Valve Replacement: Rupture of Right Sinus of Valsalva Presenting as Myocardial Infarction   |
| 83     | Prakash B, et al. (112)          | 2017           | A Case of Acute Paraplegia Due to Aortic Dissection in Marfan Syndrome  |
| 84     | Wang D, et al. (113)             | 2017           | The missed diagnosis of aortic dissection in patients with acute myocardial infarction: a disastrous event  |
| 85     | Sadaba M, et al. (114)           | 2017           | STEMI with fluctuating closing of LAD and Cx: Do not concentrate on the finger  |
| 86     | Attia T, et al. (115)            | 2017           | Successful treatment of aortic root dissection complicated with extensive myocardial infarction using the total artificial heart  |
| 87     | Zhu Q, et al. (116)              | 2017           | ST-segment elevation myocardial infarction could be the primary presentation of acute aortic dissection   |
| 88     | Gohbara M, et al. (117)          | 2017           | Left main trunk stenting in a case of acute aortic dissection: a case report.   |
| 89     | Rodrigues RC, et al. (118)       | 2017           | Aortic Dissection Mimicking ST-Elevation Myocardial Infarction  |
| 90     | Kunwor R, et al. (119)           | 2017           | Rare Case of Cocaine-Induced Aortic Aneurysm: A Near Dissection Event   |
| 91     | Chenkin J, et al. (120)          | 2017           | Diagnosis of Aortic Dissection Presenting as ST-Elevation Myocardial Infarction using Point-Of-Care Ultrasound  |
| 92     | Yukawa T, et al. (121)           | 2017           | treatment of a patient with acute aortic dissection using extracorporeal cardiopulmonary resuscitation after an out-of-hospital cardiac arrest: a case report                             |
| 93     | Masseti M, et al. (122)          | 2003           | Flap suffocation: an uncommon mechanism of coronary malperfusion in acute Type A dissection   |
| 94     | Vianna CB, et al. (123)          | 2007           | Spontaneous aortic dissection limited to sinus of Valsalva and involving the left main coronary artery  |
| 95     | Choi CH, et al. (124)            | 2012           | Acute type A aortic dissection initially diagnosed with myocardial infarction   |
| 96     | Barabas M, et al. (125)          | 2000           | Left main stenting-as a bridge to surgery-for acute Type A aortic dissection and anterior myocardial infarction   |
| 97     | Cardozo C, et al. (126)          | 2004           | Acute myocardial infarction due to left main compression aortic dissection treated by direct stenting   |
| 98     | Nordt TK, et al. (127)           | 1991           | Acute myocardial infarction due to proximal aortic dissection in giant cell aortitis  |
| 99     | Chen HY, et al. (128)            | 2019           | Acute myocardial infarction and coronary intramural haematoma: a clue to aortic dissection  |
| 100    | Domingues K, et al. (129)        | 2019           | Left Main Occlusion - A True or False (Lumen) STEMI Diagnosis?  |
| 101    | Yennu Nandan A, et al. (130)     | 2019           | Suspected ST-segment elevation myocardial infarction referred for primary angioplasty: a masquerader  |
| 102    | Abrams E, et al. (131)           | 2019           | Aortic Dissection with Subsequent Hemorrhagic Tamponade Diagnosed with Point-of-care Ultrasound in a Patient Presenting with STEMI  |
| 103    | Wang W, et al. (132)             | 2019           | Type-A aortic dissection manifesting as acute inferior myocardial infarction: 2 case reports  |
| 104    | Huang CY, et al. (133)           | 2020           | Catheter directed diagnosis of ST-segment elevation myocardial infarction induced by Type A aortic dissection: A case report  |

**Table S2** Baseline variables associated with in-hospital mortality

| Variables                      | Survive (n=75) | Death (n=34) | P value |
|--------------------------------|----------------|--------------|---------|
| Age, mean ± SD, years          | 56.11±12.28    | 58.65±14.32  | 0.345   |
| Male, n (%)                    | 53 (70.67)     | 22 (64.71)   | 0.534   |
| SBP, mean ± SD, mmHg           | 98.15±27.29    | 105.57±46.71 | 0.410   |
| DBP, mean ± SD, mmHg           | 57.88±17.10    | 64.61±28.93  | 0.269   |
| HR, mean ± SD, bpm             | 74.75±23.76    | 73.90±29.66  | 0.900   |
| Hypotension/shock, n (%)       | 33 (44.00)     | 17 (50.00)   | 0.560   |
| Chest pain, n (%)              | 74 (98.67)     | 31 (91.18)   | 0.054   |
| Back pain, n (%)               | 10 (13.33)     | 6 (17.65)    | 0.555   |
| Abdominal pain, n (%)          | 1 (1.35)       | 3 (8.82)     | 0.056   |
| HRC, n (%)                     | 9 (12.00)      | 3 (8.82)     | 0.624   |
| HRP, n (%)                     | 59 (90.77)     | 26 (89.66)   | 0.865   |
| HRE, n (%)                     | 41 (57.75)     | 25 (78.12)   | 0.046   |
| CR, n (%)                      | 21 (28.00)     | 14 (41.18)   | 0.172   |
| CAG, n (%)                     | 59 (78.67)     | 22 (64.71)   | 0.122   |
| Type of STEMI, n (%)           |                |              |         |
| Anterior STEMI                 | 33 (45.83)     | 16 (48.48)   | 0.800   |
| Inferior STEMI                 | 39 (54.17)     | 17 (51.52)   | 0.800   |
| Aortogram, n (%)               | 37 (49.33)     | 14 (41.18)   | 0.429   |
| IVUS/OCT, n (%)                | 13 (17.33)     | 2 (5.88)     | 0.108   |
| CTA, n (%)                     | 51 (68.00)     | 20 (58.82)   | 0.352   |
| MRI, n (%)                     | 1 (1.33)       | 0 (0.00)     | 0.499   |
| TEE, n (%)                     | 17 (22.67)     | 8 (24.24)    | 0.858   |
| Anti-thrombotic therapy, n (%) | 61 (81.33)     | 25 (73.53)   | 0.355   |
| Thrombolysis, n (%)            | 5 (6.67)       | 4 (11.76)    | 0.370   |
| PCI, n (%)                     | 19 (25.33)     | 6 (17.65)    | 0.377   |
| Surgery, n (%)                 | 70 (93.33)     | 17 (50.00)   | <0.001  |

SD, standard deviation; TTE, transthoracic echocardiography; SBP, systolic blood pressure; DBP, diastolic blood pressure; HR, heart rate; HRC, high-risk condition; HRP, high-risk pain; HRE, high-risk examination; CR, chest radiograph; CAG, coronary angiography; STEMI, ST-segment elevated myocardial infarction; IVUS, intravascular ultrasound; OCT, optical coherence tomography; CTA, computed tomography angiography; MRI, magnetic resonance imaging; TEE, transesophageal echocardiography; PCI, percutaneous coronary intervention.

## References

30. Blankenship JC, Almquist AK. Cardiovascular complications of thrombolytic therapy in patients with a mistaken diagnosis of acute myocardial infarction. *J Am Coll Cardiol* 1989;14:1579-82.
31. Marian AJ, Harris SL, Pickett JD, et al. inadvertent administration of rtPA to a patient with type 1 aortic dissection and subsequent cardiac tamponade. *Am J Emerg Med* 1993;11:613-5.
32. Luciani GB, Fabbri A, Faggian G, et al. Mechanical assist device for right ventricular failure after acute aortic dissection. *Ann Thorac Surg* 1993;56:363-6.
33. Garvey P, Elovitz M, Landsberger EJ. Aortic dissection and myocardial infarction in a pregnant patient with Turner syndrome. *Obstet Gynecol* 1998;91:864.
34. Shapira OM, Davidoff R. Functional Left Main Coronary Artery Obstruction Due to Aortic Dissection. *Circulation* 1998;98:278-80.
35. Tominaga R, Tomita Y, Toshima Y, et al. Acute Type A Aortic Dissection Involving the Left Main Trunk of the Coronary Artery A Report of Two Successful Cases. *Jpn Circ J* 1999;63:722-24.
36. Chang HC, Yeh KH, Huang HL, et al. Aortic intramural hematoma presenting as acute inferior wall MI with cardiogenic shock. *Am J Emerg Med* 2004;22:433-6.
37. Ashida K, Arakawa K, Yamagishi T, et al. A case of aortic dissection with transient ST-segment elevation due to functional left main coronary artery obstruction. *Jpn Circ J* 2000;64:130-4.
38. Hu SY, Wang CC, Wei HJ, et al. Acute Myocardial Infarction Caused by Aortic Dissection. *Chinese Medical Journal (Taipei)* 2001;64:535-9.
39. Pinney SP, Wasserman HS. Anterior myocardial infarction, acute aortic dissection, and anomalous coronary artery. *J Interv Cardiol* 2002;15:293-6.
40. Scarabeo V, Di Marco A, Pantaleoni A, et al. dissection of the ascending aorta mimicking an acute coronary syndrome: usefulness of transthoracic echocardiography for the differential diagnosis. *Ital Heart J* 2002;3:490-4.
41. Chan KC, Wu DJ, Ueng KC, et al. Acute aortic dissection developing acute myocardial infarction diagnosed by accidentally inserting the catheters into the false lumen during catheterization: a pitfall and rare image. *Jpn Heart J* 2003;44:583-5.
42. Kamada M, Ohsaka K, Nagamine S, et al. Acute Type A aortic dissection complicated with acute inferior myocardial infarction following aortic valve replacement. *Jpn J Thorac Cardiovasc Surg* 2003;51:552-6.
43. Hibi K, Kimura K, Nakagawa T, et al. Images in cardiovascular medicine. Intracoronary ultrasound diagnosis of an aortic dissection causing anterior acute myocardial infarction. *Circulation* 2003;108:e145-6.
44. Almassi GH. Proximal prolapse of aortic intimal flap: a rare complication of acute Type A aortic dissection. *J Thorac Cardiovasc Surg* 2003;125:1546-8.
45. Kwon KS, Lee HS, Shin JK, et al. A Case of Left Main Coronary Stenting for Acute Myocardial Infarction Complicated by Ascending Aortic Dissection. *Korean Circulation J* 2004;34:1210-5.
46. Sung L, Kuo C, Hu P, et al. Acute Myocardial Infarction Caused by Acute Ascending Aortic Dissection. *Acta Cardiol Sin* 2005;21:105-10.
47. Imoto K, Uchida K, Suzuki S, et al. Stenting of a left main coronary artery dissection and stent-graft implantation for acute Type A aortic dissection. *J Endovasc Ther* 2005;12:258-61.
48. Kawano H, Tomichi Y, Fukae S, et al. Aortic dissection associated with acute myocardial infarction and stroke found at autopsy. *Intern Med* 2006;45:957-62.
49. Na SH, Youn TJ, Cho YS, et al. Images in cardiovascular medicine. Acute myocardial infarction caused by extension of a proximal aortic dissection flap into the right coronary artery: an intracoronary ultrasound image. *Circulation* 2006;113:e669-71.
50. Gu YL, van den Heuvel AF, Erasmus ME, et al. Aortic dissection presenting as acute myocardial infarction: potential harm of antithrombin and antiplatelet therapy. *Neth Heart J* 2006;14:147-9.
51. Horszczaruk GJ, Roik MF, Kochman J, et al. Aortic dissection involving ostium of right coronary artery as the reason of myocardial infarction. *Eur Heart J* 2006;27:518.
52. Lee CH, Lim J. Type A aortic dissection: a hidden and lethal cause for failed thrombolytic treatment in acute myocardial infarction. *Heart* 2007;93:825.
53. Tarver K, Kindler H, Lythall D. Extensive aortic dissection presenting as acute inferior myocardial infarction. *Heart* 2007;93:1225.
54. Omar AR, Goh WP, Lim YT. Peripartum acute anterior ST-segment elevation myocardial infarction: an uncommon presentation of acute aortic dissection. *Ann Acad Med Singapore* 2007;36:854-6.
55. Cook J, Aeschlimann S, Fuh A, et al. Aortic dissection presenting as concomitant stroke and STEMI. *J Hum Hypertens* 2007;21:818-21.
56. Zegers ES, Gehlmann HR, Verheugt FWA. Acute

- myocardial infarction due to an acute type A aortic dissection involving the left main coronary artery. *Neth Heart J* 2007;15:263-4.
57. Radwan K, Peszek-Przybyła E, Gruszka A, et al. Acute aortic dissection imitating ST-elevation myocardial infarction with accompanying pulmonary embolism. *Cardiol J* 2007;14:595-6.
  58. Jo SH, Kang HJ, Koo BK. Coronary artery dissection associated with ascending aortic dissection. *Can J Cardiol* 2008;24:643.
  59. Forbes RA, Balderston G. Aortic dissection mimicking acute myocardial infarction: the perils of prehospital care. *Prehosp Emerg Care* 2008;12:503-5.
  60. Marek D, Nemec P, Herman M, et al. Mistakes in dealing with aortic dissection. Lessons from three warning cases. *Biomed Pap Med Fac Univ Palacky Olomouc Czech Repub* 2008;152:283-7.
  61. Camaro C, Wouters NT, Gin MT, et al. Acute myocardial infarction with cardiogenic shock in a patient with acute aortic dissection. *Am J Emerg Med* 2009;27:899.e3-6.
  62. Bilge M, Kurt M, Senkaya EB, et al. Penetrating atherosclerotic aortic ulcer mimicking acute inferior myocardial infarction. *Echocardiography* 2009;26:1084-6.
  63. Patanè S, Marte F, Lentini S, et al. Obstruction of the right coronary artery ostium due to acute aortic dissection. *Int J Cardiol* 2009;133:135-7.
  64. Ohki S, Moriyama Y, Sata N, et al. Pulsatile coronary artery luminal compression caused by aortic dissection. *Ann Thorac Surg* 2009;87:1298.
  65. Sir JJ, Kim YI, Cho WH, et al. Acute Myocardial Infarction Due to Aortic Dissection. *Intern Med* 2009;48:173.
  66. Luo JL, Wu CK, Lin YH, et al. Type A aortic dissection manifesting as acute myocardial infarction: still a lesson to learn. *Acta Cardiol* 2009;64:499-504.
  67. Dermengiu S, Ceausu M, Hostiuc S, et al. Spontaneous aortic dissection due to cystic medial degeneration. Report of a sudden death case and literature review. *Rom J Leg Med* 2009;2:89-96.
  68. Dorman SH, Barry J. Acute aortic dissection mimicking an acute coronary syndrome through occlusion of the right coronary artery. *Emerg Med J* 2008;25:462-3.
  69. Yunoki K, Naruko T, Itoh A, et al. Stenting of right coronary ostial occlusion due to thrombosed Type A aortic dissection: One-year follow-up results. *J Cardiol Cases* 2010;1:e166-70.
  70. Chamnarnphol N, Cheewatanakornkul S, Wisaratapong T. Coronary spasm due to Type A aortic dissection complicated by hemopericardium: a case report of another possible cause of coronary malperfusion. *Intern Med* 2010;49:829-31.
  71. Arrivi A, Tanzilli G, Tritapepe L, et al. Undetected acute aortic dissection in a patient referred for primary coronary angioplasty: a successful treatment of perioperative bleeding after abciximab administration. *BMJ Case Rep* 2010;2010:bcr1020103382.
  72. Kaya MG, Mavili E, Dogdu O, et al. Acute Type A aortic dissection in a patient with ventricular septal defect. *Cardiovasc Revasc Med* 2010;11:186-8.
  73. Ravandi A, Penny WF. Percutaneous intervention of an acute left main coronary occlusion due to dissection of the aortic root. *JACC Cardiovasc Interv* 2011;4:713-5.
  74. Tsikas G, Kasimis G, Theodoropoulos K, et al. A successfully thrombolysed acute inferior myocardial infarction due to Type A aortic dissection with lethal consequences: the importance of early cardiac echocardiography. *J Cardiothorac Surg* 2011;6:101.
  75. Saxena P, Boyle A, Shetty S, et al. Left main coronary artery stenting prior to surgical repair of a type A aortic dissection. *J Card Surg* 2011;26:634-5.
  76. Kaul P, George R, Paniagua R, et al. Innominate truncal dissection and rupture into right pleural cavity following acute Type A dissection of the aorta with right coronary ostial avulsion and inferior STEMI. *Perfusion* 2011;26:435-40.
  77. Gong HR, Li XP, Ye HJ. A case report of misdiagnosis of acute myocardial infarction complicated with aortic dissection. *Zhonghua Xin Xue Guan Bing Za Zhi* 2012;40:792-3.
  78. Cockburn JA, Munir SM, Prendergast BD. Novel use of a guiding catheter to relieve left main stem occlusion complicating Stamford type A aortic dissection. *J Cardiol Cases* 2012;6:e23-5.
  79. Arrivi A, Tanzilli G, Puddu PE, et al. Acute Aortic Dissection Mimicking STEMI in the Catheterization Laboratory: Early Recognition Is Mandatory. *Case Rep Cardiol* 2012;2012:367542.
  80. Cai J, Cao Y, Yuan H, et al. Inferior myocardial infarction secondary to aortic dissection associated with bicuspid aortic valve. *J Cardiovasc Dis Res* 2012;3:138-42.
  81. Ali OM, White B. Trapdoor ischaemia: coronary ostial occlusion by an aortic dissection. *BMJ Case Rep* 2012;2012:bcr2012006875.
  82. D'Aloia A, Vizzardi E, Bugatti S, et al. A Type A Aortic Dissection Mimicking an Acute Myocardial Infarction. *Cardiol Res* 2012;3:94-96.

83. Almansori M, Tymchak W. Aortic dissection compressing the left circumflex coronary artery. *Can J Cardiol* 2012;28:760.e5-6.
84. Leonida C. An uncommon presentation of acute Type A aortic dissection: left main coronary artery obstruction. *J Cardiovasc Med (Hagerstown)* 2013;14:69-70.
85. Okamoto M, Amano T, Matsuoka S, et al. A Case of Acute Myocardial Infarction due to Left Main Trunk Occlusion Complicated with Aortic Dissection as Diagnosed by Intravascular Ultrasound. *Cardiol Res* 2012;3:232-5.
86. Jaguszewski M, Widmer N, Ghadri JR, et al. Haemodynamic tracing pattern reveals acute type A aortic dissection. *Acute Card Care* 2012;14:94-5.
87. Fernández-Jiménez R, Vivas D, de Agustín JA, et al. Acute aortic dissection with ongoing right coronary artery and aortic valve involvement. *Int J Cardiol* 2012;161:e34-6.
88. Güvenç TS, Erer HB, Çetin R, et al. Acute aortic regurgitation with myocardial infarction: an important clue for aortic dissection. *J Emerg Med* 2013;44:e5-8.
89. Dalén M, Ivert T, Lindvall G, et al. Ticagrelor-associated bleeding in a patient undergoing surgery for acute Type A aortic dissection. *J Cardiothorac Vasc Anesth* 2013;27:e55-7.
90. Lentini S, Specchia L, Cricco A, et al. Hybrid management of acute Type A aortic dissection presenting as acute coronary syndrome. *Int J Cardiol* 2013;167:e85-7.
91. Yang EH, Kwon MH, Mahajan A, et al. Circumferential type A aortic dissection and intimal intussusception of the aorta causing severe aortic regurgitation and obstruction of the left main coronary artery. *Echocardiography* 2013;30:E81-4.
92. Katayama A, Uchida N, Sutoh M, et al. Partial root remodeling on the two sinuses for acute type A aortic dissection with right coronary arterial dissection. *Ann Vasc Dis* 2013;6:666-9.
93. Kodera S, Ikeda M, Sato K, et al. Percutaneous coronary intervention is a useful bridge treatment for acute myocardial infarction due to acute Type A aortic dissection. *Cardiovasc Interv Ther* 2015;30:61-7.
94. Wu BT, Li CY, Chen YT. Type A Aortic Dissection Presenting with Inferior ST-Elevation Myocardial Infarction. *Acta Cardiol Sin* 2014;30:248-52.
95. Tang L, Hu XQ, Zhou SH. Acute Stanford Type A Aortic Dissection Mimicking Acute Myocardial Infarction: A Hidden Catastrophe Which Should Prompt Greater Vigilance. *Acta Cardiol Sin* 2014;30:493-6.
96. Kim SH, Kim KH, Lim SW, et al. IVUS images of the left main intramural hematoma from aortic dissection. *Int J Cardiol* 2014;173:e27-30.
97. Kiziltan HT, Tırtaş M, İdem A, et al. Intimal intussusception in aortic dissection and coexisting coronary artery disease. *Ann Thorac Surg* 2014;97:698-700.
98. Li CH, Leta R, Pons-Lladó G. Myocardial hypoperfusion in acute aortic dissection. *Rev Esp Cardiol (Engl Ed)* 2014;67:323.
99. Hanaki Y, Yumoto K, IS, Aoki H, et al. Coronary stenting with cardiogenic shock due to acute ascending aortic dissection. *World J Cardiol* 2015;7:104-10.
100. Ichihashi T, Ito T, Murai S, et al. Acute myocardial infarction due to spontaneous, localized, acute dissection of the sinus of Valsalva detected by intravascular ultrasound and electrocardiogram-gated computed tomography. *Heart Vessels* 2016;31:1570-3.
101. Wang ZG, Zhao W, Shen BT, et al. Successful treatment of a case of acute myocardial infarction due to Type A aortic dissection by coronary artery stenting: A case report. *Exp Ther Med* 2015;10:759-62.
102. Ruisi M, Fallahi A, Lala M, et al. Aortic dissection presenting as acute subtotal left main coronary artery occlusion: a case approach and review of the literature. *J Clin Med Res* 2015;7:356-60.
103. Hawatmeh A, Abu Arqoub A, Isbitan A, et al. A case of ascending aortic dissection mimicking acute myocardial infarction and complicated with pericardial tamponade. *Cardiovasc Diagn Ther* 2016;6:166-71.
104. Chen A, Ren X. Aortic Dissection Manifesting as ST-Segment-Elevation Myocardial Infarction. *Circulation* 2015;131:e503-4.
105. Erkan H, Çirakoğlu ÖF, Erkan M, et al. Aortic dissection flap imitating intracoronary thrombus: an extremely rare angiographic presentation of acute myocardial infarction. *J Interv Cardiol* 2015;28:117-8.
106. Ahn JH, Park JR, Koh JS, et al. Paraparesis after Primary Percutaneous Coronary Intervention for ST-segment Elevation Myocardial Infarction: Combined Uncommon Complications of Acute Aortic Syndrome in a Patient. *Intern Med* 2015;54:2191-5.
107. Magno Palmeira M, Umemura Ribeiro HY, Garcia Lira Y, et al. Aortic aneurysm with complete atrioventricular block and acute coronary syndrome. *BMC Res Notes* 2016;9:257.
108. Treptau J, Ebnet J, Akin M, et al. Angiographic detection of fatal acute aortic dissection Stanford type A under resuscitation. *Cardiol J* 2016;23:620-2.
109. Takahashi K, Inaba S, Kikuchi K, et al. Intravascular Ultrasound-Diagnosed Acute Aortic Dissection

- Involving Left Main Closure. *JACC Cardiovasc Interv* 2016;9:1631-2.
110. Doksoz A, Ozturk MT, Salha W, et al. A case of aortic dissection complicating right subclavian artery occlusion and mimicking inferior myocardial infarction. *J Emerg Med Case Rep* 2017;8:40-2.
111. She J, Hu Z, Deng Y, et al. Chest Pain after Aortic Valve Replacement: Rupture of Right Sinus of Valsalva Presenting as Myocardial Infarction. *Cardiology* 2016;134:22-5.
112. Prakash B, Pai RK, Chaitra V, et al. A Case of Acute Paraplegia Due to Aortic Dissection in Marfan Syndrome. *J Neurosci Rural Pract* 2017;8:316-9.
113. Wang D, Zhang LL, Wang ZY, et al. The missed diagnosis of aortic dissection in patients with acute myocardial infarction: a disastrous event. *J Thorac Dis* 2017;9:E636-9.
114. Sadaba M, Subinas A, Rumoroso JR. STEMI with fluctuating closing of LAD and Cx: Do not concentrate on the finger. *Cardiovasc Revasc Med* 2017;18:S35-9.
115. Attia T, Robich M, Lincoff AM, et al. Successful treatment of aortic root dissection complicated with extensive myocardial infarction using the total artificial heart. *J Surg Case Rep* 2017;2017:rjx123.
116. Zhu Q, Tai S, Tang L, et al. ST-segment elevation myocardial infarction could be the primary presentation of acute aortic dissection. *American Journal of Emergency Medicine* 2017;11:1713.
117. Gohbara M, Endo T, Kimura K, et al. Left main trunk stenting in a case of acute aortic dissection: a case report. *Clin Case Rep* 2017;5:1649-53.
118. Rodrigues RC, Santos N, Pereira D. Aortic Dissection Mimicking ST-Elevation Myocardial Infarction. *Acta Med Port* 2017;30:80.
119. Kunwor R, Canelas A. Rare Case of Cocaine-Induced Aortic Aneurysm: A Near Dissection Event. *Case Rep Cardiol* 2017;2017:1785410.
120. Chenkin J. Diagnosis of Aortic Dissection Presenting as ST-Elevation Myocardial Infarction using Point-Of-Care Ultrasound. *J Emerg Med* 2017;53:880-4.
121. Yukawa T, Sugiyama K, Miyazaki K, et al. treatment of a patient with acute aortic dissection using extracorporeal cardiopulmonary resuscitation after an out-of-hospital cardiac arrest: a case report. *Acute Med Surg* 2017;5:189-93.
122. Massetti M, Neri E, Babatasi G, et al. Flap suffocation: an uncommon mechanism of coronary malperfusion in acute Type A dissection. *J Thorac Cardiovasc Surg* 2003;125:1548-50.
123. Vianna CB, Puig LB, Vieira ML, et al. Spontaneous aortic dissection limited to sinus of Valsalva and involving the left main coronary artery. *Int J Cardiovasc Imaging* 2007;23:455-8.
124. Choi CH, Park CH, Park KY, et al. Acute type A aortic dissection initially diagnosed with myocardial infarction. *Korean J Thorac Cardiovasc Surg* 2012;45:424-5.
125. Barabas M, Gosselin G, Crepeau J, et al. Left main stenting-as a bridge to surgery-for acute Type A aortic dissection and anterior myocardial infarction. *Catheter Cardiovasc Interv* 2000;51:74-7.
126. Cardozo C, Riadh R, Mazen M. Acute myocardial infarction due to left main compression aortic dissection treated by direct stenting. *J Invasive Cardiol* 2004;16:89-91.
127. Nordt TK, Rauch B, Mattfeldt T, et al. Acute myocardial infarction due to proximal aortic dissection in giant cell aortitis. *Am Heart J* 1991;122:1151-3.
128. Chen HY, Lu DY, Sung SH. Acute myocardial infarction and coronary intramural haematoma: a clue to aortic dissection. *EuroIntervention* 2019;14:e1852-3.
129. Domingues K, Duarte JA, Canas da Silva P. Left Main Occlusion - A True or False (Lumen) STEMI Diagnosis? *J Emerg Med* 2019;56:e27-30.
130. Yennu Nandan A, Singh A, Mukundu Nagesh N, et al. Suspected ST segment elevation myocardial infarction referred for primary angioplasty: a masquerader. *BMJ Case Rep* 2019;12:bcr-2018-227687.
131. Abrams E, Allen A, Lahham S. Aortic Dissection with Subsequent Hemorrhagic Tamponade Diagnosed with Point-of-care Ultrasound in a Patient Presenting with STEMI. *Clin Pract Cases Emerg Med* 2019;3:103-6.
132. Wang W, Wu J, Zhao X, et al. Type-A aortic dissection manifesting as acute inferior myocardial infarction: 2 case reports. *Medicine (Baltimore)* 2019;98:e17662.
133. Huang CY, Hung YP, Lin TH, et al. catheter directed diagnosis of ST-segment elevation myocardial infarction induced by Type A aortic dissection: A case report. *Medicine (Baltimore)* 2020;99:e18796.