

Erratum to: Thoracic and cardiovascular surgery in Japan during 2013

Annual report by The Japanese Association for Thoracic Surgery

Committee for Scientific Affairs, The Japanese Association for Thoracic Surgery¹ · Munetaka Masuda² · Hiroyuki Kuwano³ · Meinoshin Okumura⁴ · Hirokuni Arai⁵ · Shunsuke Endo⁶ · Yuichiro Doki⁷ · Junjiro Kobayashi⁸ · Noboru Motomura⁹ · Hiroshi Nishida¹⁰ · Yoshikatsu Saiki¹¹ · Fumihiko Tanaka¹² · Kazuo Tanemoto¹³ · Yasushi Toh¹⁴ · Hiroyasu Yokomise¹⁵

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**Erratum to: Gen Thorac Cardiovasc Surg (2015)
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The following errors appeared in the above-cited article.

(A) Cardiovascular surgery section: in the 3rd paragraph, on the 4th line, “9168 cases in 2003” should read “9165 cases in 2003”; on the 6th line, “15,757 cases in thoracic aortic aneurysm” should read “15,758 cases in thoracic aortic aneurysm”; on the 8th line, “4.0, 4.6 and 14.6 %, respectively” should read “4.0, 4.7 and 14.6 %, respectively”; on the 10th line, “16,752 cases” should read “16,560 cases”; and on the 13th line, “83.4 % increase”

should read “83.8 % increase”. In the 5th paragraph, on the 14th line, “6.7 % in 2003” should read “6.9 % in 2003”. In the 6th paragraph, on the 2nd line, “83.4 %” should read “83.8 %”; on the 4th line, “placement” should read “replacement”, and “2.2 and 3.7 %” should read “2.9 and 5.4 %”; on the 6th line, “0.8 %” should read “1.1 %”; on the 25th line, “38.2 %” should read “38.3 %”; and on the 26th line, “41.9 %” should read “59.4 %”. In the 7th paragraph, on the 11th line, “23.4 %” should read “22.4 %”. In the 8th paragraph, on the 3rd line, “1.0 and 1.7 %” should read “0.8 and 1.4 %”; on the 10th line, “5.5 %” should read “7.3 %”; and on the 14th line, “8.5–6.4 %” should read “8.0–6.4 %”. In the 9th paragraph, on the 2nd line, “414 operations” should read “840 operations”; and on the 4th line, “298 operations” should read “371 operations”. In the 11th paragraph, on the 6th

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✉ Munetaka Masuda
survey-adm@umin.net

¹ Tokyo, Japan

² Department of Surgery, Yokohama City University, Yokohama, Japan

³ Department of General Surgical Science, Division of Biosystem Medicine, Subdivision of Oncology, Course of Medical Sciences, Gunma University Graduate School of Medicine, Gunma, Japan

⁴ Department of General Thoracic Surgery, Osaka University Graduate School of Medicine, Osaka, Japan

⁵ Department of Cardiovascular Surgery, Tokyo Medical and Dental University Graduate School of Medical and Dental Sciences, Tokyo, Japan

⁶ Department of Thoracic Surgery, Jichi Medical University, Tochigi, Japan

⁷ Department of Gastroenterological Surgery, Osaka University Graduate School of Medicine, Osaka, Japan

⁸ Department of Cardiovascular Surgery, National Cerebral and Cardiovascular Center, Osaka, Japan

⁹ Department of Cardiovascular Surgery, Toho University, Sakura Medical Center, Chiba, Japan

¹⁰ Department of Cardiovascular Surgery, The Heart Institute of Japan, Tokyo Women's Medical University, Tokyo, Japan

¹¹ Division of Cardiovascular Surgery, Tohoku University Graduate School of Medicine, Miyagi, Japan

¹² Second Department of Surgery, University of Occupational and Environmental Health, Fukuoka, Japan

¹³ Department of Cardiovascular Surgery, Kawasaki Medical School, Okayama, Japan

¹⁴ Department of Gastroenterological Surgery, National Kyushu Cancer Center, Fukuoka, Japan

¹⁵ Department of General Thoracic Surgery, Faculty of Medicine, Kagawa University, Kagawa, Japan

Table 5 Thoracic aortic aneurysm (total; 15,758)
(1) Dissection (total; 6787)

	Stanford type																								
	Acute					Chronic					Redo														
	A					B					Concomitant operation														
	Cases	30-day mortality	Hospital mortality	After discharge	Hospital mortality	Cases	30-day mortality	Hospital mortality	After discharge	Hospital mortality	Cases	30-day mortality	Hospital mortality	After discharge	Cases	30-day mortality	Hospital mortality	After discharge							
1. Ascending Ao.	2608	186 (7.1)	2 (0.1)	217 (8.3)	4	0 (0.0)	0	1 (25.0)	186	3 (1.6)	0	6 (3.2)	8	0 (0.0)	0	0 (0.0)	216	111	17	8	132	51	2 (3.9)	0	4 (7.8)
2. Aortic Root	197	34 (17.3)	0	35 (17.8)	0	0	0	0	65	6 (9.2)	0	7 (10.8)	1	0	0	0	37	185	6	1	42	38	5 (13.2)	0	5 (13.2)
3. Ascending Ao. + Arch	1393	108 (7.8)	0	124 (8.9)	32	1 (3.1)	0	2 (6.3)	282	6 (2.1)	0	11 (3.9)	112	3 (2.7)	0	4 (3.6)	106	62	3	4	95	91	4 (4.4)	0	8 (8.8)
4. Arch + descending Ao.	25	1 (4.0)	0	2 (8.0)	6	1 (16.7)	0	2 (33.3)	31	4 (12.9)	0	4 (12.9)	56	4 (7.1)	0	4 (7.1)	0	0	0	0	2	17	6 (35.3)	0	5 (29.4)
5. Aortic Root + Asc. Ao. + Arch	86	12 (14.0)	0	14 (16.3)	2	0	0	0	33	1 (3.0)	0	1 (3.0)	13	0	0	0	22	85	1	0	15	18	0	0	0
6. Descending Ao.	13	3 (23.1)	0	3 (23.1)	37	6 (16.2)	0	5 (13.5)	84	2 (2.4)	0	3 (3.6)	270	12 (4.4)	0	17 (6.3)	0	0	0	0	4	41	1 (2.4)	0	3 (7.3)
7. Thoracoabdominal Ao.	1	0	0	0	11	1 (9.1)	0	3 (27.3)	29	4 (13.8)	0	4 (13.8)	145	9 (6.2)	0	12 (8.3)	0	0	0	0	1	47	5 (10.6)	0	6 (12.8)
8. Extra-anatomical bypass	14	2	0	2 (14.3)	24	2 (8.3)	0	3 (12.5)	2	0	0	0 (0.0)	3	0	0	0	0	0	0	0	0	3	1 (33.3)	0	1 (33.3)
9. Stent graft ^a	107	9 (8.4)	0	7 (6.5)	181	17 (9.4)	0	21 (11.6)	139	0	0	1 (0.7)	587	6 (1.0)	1 (0.2)	12 (2.0)	6	2	0	0	3	70	2 (2.9)	0	3 (4.3)
1) TEVAR ^b	48	7 (14.6)	0	7 (14.6)	179	16 (8.9)	0	20 (11.2)	119	0	0	1 (0.8)	556	6 (1.1)	1 (0.2)	12 (2.2)	5	1	0	0	1	68	2 (2.9)	0	3 (4.3)
2) Open stent	59	2 (3.4)	0	3 (5.1)	2	1 (50.0)	0	1 (50.0)	20	0	0	0	31	0	0	0	1	1	0	0	2	2	0	0	0
a) With total arch ^c	59	2 (3.4)	0	3 (5.1)	2	1 (50.0)	0	1 (50.0)	20	0	0	0	16	0	0	0	1	1	0	0	2	1	0	0	0
b) Without total arch ^d	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	1	0	0	0
3) Unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	4444	355 (8.0)	2 (0.05)	404 (9.1)	297	28 (9.4)	0	37 (12.5)	851	26 (3.1)	0	37 (4.3)	1195	34 (2.8)	1 (0.1)	49 (4.1)	387	445	27	13	294	376	26 (6.9)	0	35 (9.3)

Values in parenthesis represent mortality %

Ao aorta, AVP aortic valve repair, AVR aortic valve replacement, MVR mitral valve repair, MVP mitral valve replacement, CABG coronary artery bypass grafting, TEVAR thoracic endovascular aortic (aneurysm) repair

Acute, within 2 weeks from the onset

*a = *b + *c + *d + unspecified

Table 5 continued
(2) Non-dissection (total; 8971)

Replaced site	Unruptured				Ruptured				Concomitant operation				Redo				CPB (-)						
	30-day mortality		Hospital mortality		30-day mortality		Hospital mortality		AVP	AVR	MVP	MVR	CABG	Cases	30-day mortality		Hospital mortality		Cases	30-day mortality		Hospital mortality	
	Hospital	After discharge	Hospital	After discharge	Hospital	After discharge	Hospital	After discharge							Hospital	After discharge	Hospital	After discharge		Hospital	After discharge	Hospital	After discharge
1. Ascending Ao.	1201	25 (2.1)	0	32 (2.7)	62	7 (11.3)	0	9 (14.5)	40	820	67	39	147	95	7 (7.4)	0	10 (10.5)	2	0	0	0	0	0
2. Aortic Root	928	16 (1.7)	1 (0.1)	24 (2.6)	31	8 (25.8)	0	8 (25.8)	232	631	54	24	95	145	13 (9.0)	0	14 (9.7)	1	0	0	0	0	0
3. Ascending Ao. + Arch	2151	44 (2.0)	0	72 (3.3)	173	25 (14.5)	0	37 (21.4)	33	201	28	8	327	105	8 (7.6)	0	10 (9.5)	6	0	0	0	0	0
4. Arch + descending Ao.	104	6 (5.8)	0	9 (8.7)	23	3 (13.0)	0	5 (21.7)	0	2	0	1	7	11	3 (27.3)	0	4 (36.4)	8	0	0	0	0	0
5. Aortic root + Asc. Ao. + Arch	109	1 (0.9)	0	2 (1.8)	5	2 (40.0)	0	2 (40.0)	24	80	5	1	6	20	3 (15.0)	0	3 (15.0)	2	0	0	0	0	0
6. Descending Ao.	343	12 (3.5)	0	18 (5.2)	84	16 (19.0)	0	18 (21.4)	0	0	0	0	4	33	3 (9.1)	0	6 (18.2)	26	2 (7.7)	0	2 (7.7)	0	2 (7.7)
7. Thoracoabdominal Ao.	372	17 (4.6)	1 (0.3)	28 (7.5)	52	9 (17.3)	0	15 (28.8)	0	0	0	0	1	42	1 (2.4)	0	3 (7.1)	11	0	0	0	0	0
8. Extra-anatomical bypass	35	0	0	1 (2.9)	2	0	0	0	1	0	0	0	1	1	0	0	0	2	0 (0.0)	0	0	0	0
9. Stent graft ^{a,b}	2928	43 (1.5)	1 (0.03)	73 (2.5)	368	39 (10.6)	3 (0.8)	55 (14.9)	7	7	1	0	25	122	6 (4.9)	1 (0.8)	7 (5.7)	1079	19 (1.8)	3 (0.3)	28 (2.6)	28 (2.6)	
1) TEVAR ^{a,b}	2774	37 (1.3)	1 (0.04)	66 (2.4)	358	38 (10.6)	3 (0.8)	53 (14.8)	3	1	0	0	5	118	5 (4.2)	1 (0.8)	6 (5.1)	1059	19 (1.8)	3 (0.3)	28 (2.6)	28 (2.6)	
2) Open stent	154	6 (3.9)	0	7 (4.5)	10	1 (10.0)	0	2 (20.0)	4	6	1	0	20	4	1 (25.0)	0	1 (25.0)	20	0	0	0	0	0
a) With total arch ^{a,c}	112	6 (5.4)	0	7 (6.3)	10	1 (10.0)	0	2 (20.0)	4	5	1	0	16	2	1 (50.0)	0	1 (50.0)	0	0	0	0	0	0
b) Without total arch ^{a,d}	42	0	0	0	0	0	0	0	0	1	0	0	4	2	0	0	0	20	0	0	0	0	0
3) Unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	8171	164 (2.0)	3 (0.04)	259 (3.2)	800	109 (13.6)	3 (0.4)	149 (18.6)	337	1741	155	73	613	574	44 (7.7)	1 (0.2)	57 (9.9)	1137	21 (1.8)	3 (0.3)	30 (2.6)	30 (2.6)	

Values in parenthesis represent mortality %

Ao aorta, AVP aortic valve repair, AVR aortic valve replacement, MYP mitral valve repair, MVR mitral valve replacement, CABG coronary artery bypass grafting, TEVAR thoracic endovascular aortic (aneurysm) repair

*a = *b + *c + *d + unspecified

Table 7 Assisted circulation (total; 1713)

Sites	VAD									Heart–lung assist					
	Device			Results						Method		Results			
	Centrifugal	VAS	Others	Not weaned			Weaned			PCPS	Others	Not weaned		Weaned	
				On going	Death	Transplant	Alive	Deaths	Transplant			Deaths	Transplant	Deaths	Alive
Post cardiectomy															
Left	38	4	7	8	30 (61.2)	0	3	8 (16.3)	0						
Right	0	0	0	0	0	0	0	0	0						
Biventricle															
Left	1	3	0	0	3 (75.0)	0	1	0	0	499	69	274 (48.2)	0	85 (15.0)	209
Right	4	0	0												
Congestive heart failure															
Left	50	41	92	112	38 (20.8)	7	16	9 (4.9)	0						
Right	2	1	0	1	0	0	2	0	0						
Biventricle															
Left	5	22	3	5	14 (46.7)	0	8	3 (10.0)	0	685	29	360 (50.4)	0	105 (14.7)	249
Right	18	11	1												
Respiratory failure															
										106	22	46 (35.9)	0	16 (12.5)	66
Total	118	82	103	126	85 (28.1)	7	30	20 (6.6)	0	1290	120	680 (48.2)	2	206 (14.6)	524

Values in parenthesis represent mortality %

VAD ventricular assist devise, VAS ventricular assist system, PCPS percutaneous cardiopulmonary support

Table 33
14. Combined resection of neighboring organ(s)

	Cases	30 day mortality		Hospital mortality
		Hospital	After discharge	
14. Combined resection of neighboring organ(s)	1581	7 (0.4)	3 (0.2)	19 (1.2)
(A) Primary lung cancer (organ resected)				
Aorta	16	0	0	0
Superior vena cava	40	0	0	0
Brachiocephalic vein	12	0	0	0
Pericardium	177	2 (1.1)	0	3 (1.7)
Pulmonary artery	227	1 (0.4)	0	1 (0.4)
Left atrium	45	0	0	1 (2.2)
Diaphragm	98	1 (1.0)	0	1 (1.0)
Chest wall (including ribs)	500	1 (0.2)	0	9 (1.8)
Vertebra	31	0	0	3 (9.7)
Esophagus	12	0	0	0
Total	1158	5 (0.4)	0	18 (1.6)
(B) Mediastinal tumor (organ resected)				
Aorta	3	0	0	0
Superior vena cava	69	0	0	1 (1.4)
Brachiocephalic vein	93	1 (1.1)	0	1 (1.1)
Pericardium	267	1 (0.4)	0	2 (0.7)
Pulmonary artery	9	0	0	0
Left atrium	2	0	0	0
Diaphragm	16	0	0	0
Chest wall (including ribs)	20	0	0	0
Vertebra	7	0	0	0
Esophagus	1	0	0	0
Lung	277	1 (0.4)	0	1 (0.4)
Total	764	3 (0.4)	0	5 (0.7)

Values in parenthesis represent mortality %

line, “8171 cases” should read “8971 cases”; and on the 9th line, “2.2 %” should read “3.2 %”. In the 13th paragraph, on the 4th line, “42 % increase” should read “4.2 % increase”.

Additionally, there are some errors in the following tables. Table 3 (3), on the 4th line (4 Damus–Kaye–Stansel operation), values of the columns “Neonate; Hospital mortality”, “Infant; 30-day mortality; Hospital”, and

“Infant; Hospital mortality” should be “1 (33.3)”, “4 (8.0)”, and “6 (12.0)”, not “1”, “4”, and “6”, respectively. The title for Table 9 should read “Pacemaker + ICD (total; 4660)”. In (B) General thoracic surgery section, Table 33, the first line of the column “30-day mortality; Hospital” should read “7 (0.4)”, not “7 (1.4)”. Other tables with errors and their corrections are given below.