

Supplemental material

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eTable 1 Multivariable analysis of the impact of the hospital characteristics on one-point increase of the CSC score

Hospital-related factors in 2010	Odds	95%CI	P value
Hospital locations			
MEA central	ref.		
MEA outlying	1.35	0.36-2.48	0.339
McEA	0.78	0.35-1.75	0.549
CSC score in 2010	0.83	0.76-0.91	<0.001
Academic hospital	1.29	0.52-3.24	0.582
DPC hospital	0.72	0.39-1.34	0.302
Number of beds			
1-99	ref.		
100-299	1.1	0.36-3.41	0.868
300-499	1.82	0.60-5.48	0.285
≥500	3.81	1.16-12.54	0.028
Annual stroke case volume			

1-99	ref.		
100-199	1.68	0.67-4.18	0.267
200-299	2.47	0.92-6.61	0.072
≥300	3.17	1.16-8.66	0.024
Number of stroke physicians, tertile			
T1 (0-4)	ref.		
T2 (4-8)	1.12	0.58-2.16	0.745
T3 (≥9)	1.35	0.57-3.21	0.492

eTable 2 Univariable analysis of association between consecutively participating hospitals in all three surveies and the others

	All Hsps. in 2010 (n=749)	Consecutively participating Hsps. (n=323)	Other Hsps. (n=426)	p value
Hospital location				<0.001
MEA central	381 (50.9)	193 (59.8)	188 (44.1)	
MEA outlying	239 (31.9)	83 (25.7)	156(36.6)	
McEA	102 (13.6)	38 (11.8)	64 (15.0)	
Unclassified	27 (3.6)	9 (2.8)	18 (4.2)	
CSC score at 2010				
median (IQR)	14 (11, 18)	16 (13, 19)	13 (10, 17)	<0.001
Academic hospital	90 (12.1)	61 (18.9)	29 (6.8)	<0.001
DPC hospital	553 (73.8)	237 (73.4)	316 (74.2)	0.804
Number of beds				<0.001
-99	50 (6.7)	19 (5.9)	31 (7.3)	
100-299	232 (31.0)	75 (23.2)	157 (36.9)	
300-499	260 (34.7)	105 (32.5)	155 (36.4)	
≥500	207 (27.6)	124 (38.4)	83 (19.5)	
Annual stroke volume				<0.001
-99	129 (17.2)	36 (11.2)	93 (21.8)	

100-199	199 (26.5)	76 (23.5)	123 (28.9)	
200-299	155 (20.7)	70 (21.7)	85 (20.0)	
≥300	228 (30.4)	127 (39.3)	101 (23.7)	
N/A	38 (5.1)	14 (4.3)	24 (5.6)	
Number of stroke physicians, median (IQR)	4 (3, 7)	5 (3, 9)	4 (2, 6)	<0.001

*DPC: Diagnostic Procedure Combination, Hsp: hospital, MEA: metropolitan, McEA: micropolitan

Supplemental Appendix 1. List of the J-ASPECT Study Collaborators.

All Contributors were involved in collection of data.

Hospitals	Responsible persons
Ainomiyako Neurosurgery Hospital	Isao Sasaki
Aizawa Hospital	Takao Hasimoto
Akita University Hospital	Hiroaki Shimizu
Akocity Hospital	Minoru Asahi
Almeida Memorial Hospital	Makoto Goda
Aomori City Hospital	Atsuhito Takemura
Aomori Prefectural Central Hospital	Tatsuya Sasaki
Asahi General Hospital	Saburo Watanabe
Ashiya Municipal Hospital	Seiko Kataoka
Atsuchi Neurosurgical Hospital	Kouji Takasaki
Ayabe City Hospital	Kouji Shiga
Baba Memorial Hospital	Hidehuku Gi
Bellland General Hospital	Ryunosuke Uranishi
Beppu Medical Center	Yasuyuki Nagai
Chiba Cancer Center	Toshihiko Iuchi
Chiba Cerebral and Cardiovascular Center	Toshio Machida, Junichiro Shimada
Chiba Neurosurgical Clinic	Kenji Wakui
Chiba Rosai Hospital	Takashi Saegusa

Chiba Tokushukai Hospital	Isao Kitahara
Chidoribashi Hospital	Yasushi Ejima
Chigasaki Municipal Hospital	Takaakira Yokoyama
Chikamori Hospital (Chikamori Health Care Group)	Satoru Hayashi
Chutoen General Medical Center	Toshikazu Ichihashi
Corporate Medical Association Shoikai Kasai Shoikai Hospital	Junichi Harashina
Daiichitowakaihospital	Tsugumichi Ichioka
Daiyukai General Hospital	Takayuki Kato, Shinichi Shirakami
Date Red Cross Hospital	Takeshi Matsuoka
Department of Neurosurgery Shiroyama Hospital	Kenichi Murao
Dokkyo Medical University Koshigaya Hospital	Akio Hyodo, Tomoyuki Miyamoto
Doutounoushinkeigekabyouinn	Teruo Kimura
Ebina General Hospital	Tomonori Kobayashi
Ehime Prefectural Central Hospital	Shinji Iwata
Faculty of Medicine, Saga University	Tatsuya Abe
Faculty of Medicine, University of Miyazaki	Hideo Takeshima
Fuchu Hospital	Kazunori Yamanaka
Fuji City General Hospital	Satoru Morooka
Fujii Neurosurgical Hospital	Hideo Kunimine
Fujita General Hospital	Satoshi Taira
Fujita Health University Hospital	Ichiro Nakahara, Yuichi Hirose

Fujiyoshida Municipal Hospital	Syogo Imae
Fukaya Red Cross Hospital	Hirochiyo Wada
Fukuchiyama City Hospital	Mamoru Murakami
Fukui Katsuyama General Hospital	Masanori Kabuto
Fukuoka Seisyukai Hospital	Masaharu Tani, Isao Inoue
Fukuoka Tokushukai Medical Center	Hidenori Yoshida
Fukuoka University Chikushi Hospital	Kiyoshi Kazekawa
Fukuoka University Hospital	Tooru Inoue
Fukuoka Wajiro Hospital	Kouzou Fukuyama
Fukuokashinmizumaki Hospital	Shigenari Kin
Fukushima Medical University Hospital	Taku Sato
Fukushima Red Cross Hospital	Yoichi Watanabe
Gifu Municipal Hospital	Tetsuya Tanigawara
Gifu Prefectural Tajimi Hospital	Junki Ito
Gifu University Hospital	Toru Iwama
Hachisuga Hospital	Yoshihisa Maeda
Hakodate Central General Hospital	Makoto Takeda
Hakodate Municipal Hospital	Jun Niwa
Hakodate Neurosurgical Hospital	Mikio Nishiya
Hakujuji Hospital	Shuji Hayasi
Hamamatsu Medical Center	Teiji Nakayama

Hamanomachi Hospital	Koichirou Matsukado
Harasanshin Hospital	Tadahisa Shono
Hata Kenmin Hospital	Hiroyuki Nishimura
Higashiosaka City Medical Center	Takatoshi Fujimoto, Ryo Tamaki
Higashitotsuka Memorial Hospital	Satoshi Utsuki
Higashiyamato Hospital	Ikuo Kobayashi, Hirotoshi Ohtaka
Hirosaki Stroke and Rehabilitation Center	Takamitsu Uchizawa
Hirosaki University Hospital	Hiroki Ohkuma
Hiroshima City Hiroshima Citizens Hospital	Shigeki Nishino
Hiroshima Prefectural Hospital	Atsushi Tominaga
Hiroshima Red Cross Hospital & Atomic Bomb Survivors Hospital	Masayuki Sumida
Hiroshima University Hospital	Takahito Okazaki, Shirou Aoki
Hito Medical Center	Naoki Shinohara
Hokkaido Medical Center	Satoshi Ushikoshi
Hokkaido University Dept. Neurosurgery	Syunsuke Terasaka, Kiyohiro Houkin
Hokushikai Megumino Hospital	Mitsunobu Kaijima
Hokuto Hospital	Kimito Kondo, Kazumi Nitta
Hospital	Toshiki Ikeda, Hidetoshi Ooigawa
Hospital Nanbu Tokushukai	Tutomu Kadekaru
Hukuoka City Hospital	Katsuyuki Hirakawa
Hyogo College of Medicine	Shinichi Yoshimura

Hyogo Prefectural Awaji Medical Center	Yoshio Sakagami
Hyogo Prefectural Kakogawa Medical Center	Hideo Aihara
Hyogokenritu_Nishinomiya_Hospital	Takayuki Sakaki
Ibaraki Prefectural Central Hospital	Hiroko Oyama, Yuuji Kujiraoka
Ibaraki Seinan Medical Center Hospital	Keishi Fujita
Iida Municipal Hospital	Sumio Kobayashi
Imari Arita Kyoritsu Hospital	Nobuaki Momozaki
Ina Central Hospital	Atsushi Sato
Inagi Municipal Hospital	Hideki Murakami, Tatsuo Iwasita
Institute of Brain and Blood Vessels Mihara Memorial Hospital	Akazi Kazunori, Takao Kanzawa
Irixyouhoujin Okinawatokushukai Uwajimatokushukai Hospital	Hikomichi Sadashima
Iryohojin Seiwakai Wada Hospital	Shiro Miyata
Iryouhoujinsyadanjinmeikai Akiyamanousinnkeigeka	Takekazu Akiyama
Iryouhouzinsyadan Meihoukai	
Yokohamashintoshinoshinkeigekabyuin	Akihiro Nemoto, Masafumi Morimoto
Isahaya General Hospital	Yoshihiro Nishiura
Ise Red Cross Hospital	Fumitaka Miya, Masunari Sibata
Ishikawa Prefectural Central Hospital	Yutaka Hayashi
Ishinomaki Red Cross Hospital	Syuichi Ishikawa
Itabashi Chuo Medical Center	Miura Naohisa
Itami Kousei Neurosurgical Hospital	Shinya Noda

Iwaki Kyoritsu General Hospital	Yasuhiro Suzuki
Iwata Municipal General Hospital	Shinji Amano
Iwate Medical University	Kuniaki Ogasawara
Iwate Prefectural Central Hospital	Takayuki Sugawara
Iwate Prefectural Iwai Hospital	Keiichi Saitou
Iwate Prefectural Kuji Hospital	Kazuyuki Miura
Iwate Prefectural Ninohe Hospital	Akinori Yabuta
Izumi Hospital	Makoto Hasebe
Izumino Hospital	Masato Seike
Japan Community Health Care Organization Chukyo Hospital	Akira Ikeda
Japan Community Health Care Organization Kyushu Hospital	Satoshi Inoha
Japan Community Health Care Organization Tokyo Takanawa Hospital	Hirofumi Hiyama
Japan Organization of Occupational Health and Safety Kumamoto Rousai Hospital	Hiromasa Tsuiki, Shigeo Yamashiro
Japanese Red Cross Akita Hospital	Keiichi Nishimaki
Japanese Red Cross Asahikawa Hospital	Katsumi Takizawa, Kenichi Makino
Japanese Red Cross Fukuoka Hospital	Hitoshi Tsugu, Jiro Kitayama
Japanese Red Cross Kitami Hospital	Nozomi Suzuki
Japanese Red Cross Kumamoto Hospital	Shu Hasegawa, Tadashi Terasaki
Japanese Red Cross Maebashi Hospital	Ken Asakura

Japanese Red Cross Medical Center	Ichiro Suzuki
Japanese Red Cross Society Hachinohe Hospital	Hiromu Konno
Japanese Red Cross Takayama Hospital	Katsunobu Takenaka
Japanese Redcross Fukui Hospital	Hiroki Toda, Taketo Hatano
Jcho Hitoyoshi Medical Center	Keizou Yamamoto
Jcho Kobe Central Hospital	Keigo Matsumoto
Jcho Kumamoto General Hospital	Kazunari Koga
Jcho Nankai Medical Center	Takamitsu Hikawa
Juntendo Universty Hospital	Hajime Arai
Kaetsu Hospital	Kazuaki Awamori
Kaga Medical Center	Naoki Shirasaki
Kagawa Rosai Hospital	Kimihiko Yoshino
Kagawa University Hospital	Takashi Tamiya
Kagoshima City Hospital	Kazuho Hirahara
Kagoshima Prefectural Kanoya Medical Center	Shunichi Tanaka
Kagoshima Tokushukai Hospital	Teruaki Kawano
Kagoshima University Hospital	Sei Sugata, Kazunori Arita
Kan-Etsu Hospital	Masahiko Tanaka
Kanazawa Medical Univercity	Shunsuke Shiraga
Kanazawa Neurosurgical Hospital	Syuji Sato
Kanazawa University Hospital	Mitsutoshi Nakada

Kaneda Hospital	Kimihisa Kinoshita
Kanmon Medical Center	Katsuhiro Yamashita
Kano Hospital	Nakazawa Kazutomo
Kansai Electric Power Hospital	Yasuhiro Fujimoto
Kansai Medical University Hospital	Kunikazu Yoshimura
Kanto Rosai Hospital	Takayuki Tachizawa
Kasaoka Daiichi Hospital	Akira Watanabe
Kashiwaba Neurosurgical Hospital	Tetsuyuki Yoshimoto
Kasugai Municipal Hospital	Naoto Kuwayama
Kawasaki Medical School Hospital	Masaaki Uno
Kazuno Kosei Hospital	Masayuki Sasou
Keiju Medical Center	Sotaro Higashi
Keishunkai Medical Corporation Kobari General Hospital	Naoaki Sato
Kenwakai Hospital	Masakazu Kitahara
Kenwakai Otemati Hospital	Hiroshi Yoneda
Kieikai Hospital	Satoshi Suzuki
Kindai University Hospital	Toshiho Ohtsuki, Amami Kato
Kindai University Sakai Hospital	Yusaku Nakamura
Kiryu Kosei General Hospital	Satoshi Magarisawa
Kishiwada City Hospital	Kenji Hashimoto
Kishiwada Tokushukai Hospital	Hiroyuki Matsumoto

Kita-Harima Medical Center	Hirotooshi Hamaguchi, Shigeru Miyake
Kitakami Saiseikai Hospital	Tomohiko Satou
Kitakyusyu General Hospital	Masaru Idei
Kitakyusyu Municipal Medical Center	Masahiro Mizoguchi
Kitamurayama Hospital	Eiichiro Kamatsuka
Kitasato University School of Medicine	Toshihiro Kumabe
Kobe City Medical Center General Hospital	Nobuyuki Sakai
Kobe Ekisaikai Hospital	Takashi Tominaga
Kobe Red Cross Hospital	Haruo Yamashita
Kobe University Hospital	Eiji Kohmura, Tatsushi Toda
Kochi Health Sciences Center	Tsuyoshi Oota, Masanori Morimoto
Kochi Medical School Hospital	Tetsuya Ueba
Kohka Public Hospital	Kazuyoshi Watanabe
Kohnan Hospital	Hidenori Endo
Kohsei General Hospital	Kenjirou Fujiwara, Minoru Nakagawa
Kokura Memorial Hospital	Taketo Hatano, Akira Ishii
Komaki City Hospital	Toshinori Hasegawa
Komatsu Municipal Hospital	Hisashi Nitta
Komoro Kosei General Hospital	Takayuki Kuroyanagi
Koshigaya Municipal Hospital	Akira Tunoda
Koto Memorial Hospital	Hisao Hirai

Koyama Memorial Hospital	Takuya Kawai
Kugayama Hospital	Mitsuyuki Fujitsuka
Kumamoto City Hospital	Akira Takada, Seiji Tajiri
Kurashiki Central Hospital	Masaki Chin
Kurashiki Heisei Hospital	Hidemiti Sasayama
Kurosawa Hospital	Sigehiro Ohmori
Kurosishi General Hospital	Seiko Hasegawa
Kurosu Hospital	Kazuhiro Kikuchi, Mikio Teduka
Kurume University Hospital	Motohiro Morioka
	Yoshiko Unno, Hiroki Yoshida , Teruyuki
Kyorin University Hospital	Hirano
Kyoritsu Hospital	Masayuki Yokota
Kyoto Okamoto Memorial Hospital	Minoru Kidooka
Kyoto Second Red Cross Hospital	Hiroshi Tenjin
Kyoto Univerisity Hospital	Susumu Miyamoto
Kyoto Yamashiro General Medical Center	Yoshihiro Iwamoto
Kyotokatsura Hospital	Yasumasa Yamamoto
Kyotomin-Iren Chuohospital	Yuko Shikata
Kyushu Central Hospital of The Mutual Aid Association of Public School Teachers	Hitonori Takaba
Kyushu Rosai Hospital	Sei Haga

Kyushu University Hospital	Koji Iihara
Local Incorporated Administrative Agency Tokushima Prefecture	
Naruto Hospital	Masahito Agawa
Makita General Hospital	Yoshinori Arai
Maruko Central Hospital	Toshiyuki Tsukada
Matsushita Memorial Hospital	Nozomu Murai
Matsuyama Shimin Hospital	Masakazu Suga
Mazda Hospital	Kawamoto Yukihiko
Medical Corporation Ijinkai Nakamura Memorial Hospital	Kenji Kamiyama
Medical Corporation Meiseikai Abashiri Neurosurgicalrehabilitation Hospital	Naoto Izumi
Meitetsu Hospital	Youtarou Takeuchi
Midorigaoka Hospital	Motohiro Arai
Mie University Hospital	Hidenori Suzuki
Mimihara General Hospital	Shinji Okumura
Minamata City General Hospital and Medical Center	Makoto Yoshikawa
Minami Wakayama Medical Center	Yoshinari Nakamura
Minato Medical Coop-Kyoritsu General Hospital	Hisashi Tanaka
Mito Kyodo General Hospital	Yasusi Sibata
Mitoyogeneralhospital	Tetsuya Masaoka
Mitsugi General Hospital	Takashi Matsuoka

Miyakonojo Medical Association Hospital	Hajime Ohta
Miyoshi Central Hospital	Osamu Hamasaki
Moriguchi-Ikuno Memorial Hospital	Misao Nishikawa
Morioka Red Cross Hospital	Naohiko Kubo
Munakata Suikokai General Hospital	Yosimasa Kinosita
Muroran City General Hospital	Hiroshi Ooyama
Nagahama City Hospital	Taro Komuro
Nagano Municipal Hospital	Yoshikazu Kusano
Nagaoka Chuo General Hospital	Shigekazu Takeuchi
Nagasaki Kawatana Medical Center	Ei-Ichirou Urasaki
Nagasaki University Hospital	Takayuki Matsuo
Nagasaki Shimabara Hospital	Yoshiharu Tokunaga
Nagoya City University	Mitsuhiro Mase
Nagoya Daini Red Cross Hospital	Yukio Seki, Keizo Yasui
Nagoya University Hospital	Yoshio Araki
Naha City Hospital	Naoki Tomiyama
Nakamura Memorial South Hospital	Taiichiro Watanabe, Koji Oka
Nakatsu Municipal Hospital	Hiromichi Koga
Nara Medical University	Hiroyuki Nakase
Narita Red Cross Hospital	Michio Nakamura
National Cerebral and Cardiovascular Center	Jun Takahashi

National Hospital Organization Chiba Medical Center	Hirokazu Tanno
National Hospital Organization Hamada Medical Center	Takato Kagawa
National Hospital Organization Himeji Medical Center	Osamu Narumi
National Hospital Organization Kyushu Medical Center	Akira Nakamizo, Shinji Nagata
National Hospital Organization Nagoya Medical Center	Noriyuki Suzaki
National Hospital Organization Okayama Medical Center	Yoichiro Namba
National Hospital Organization Osakaminami Medical Center	Tomonori Yamada
National Hospital Organization Tochigi Medical Center	Masayuki Ishihara
National Hospital Organization Toyohashi Medical Center	Hideki Sakai
National Hospital Organization Ureshino Medical Center	Masayuki Miyazono
National Hospital Organization, Iwakuni Clinical Center	Kotaro Ogihara
Nayoro City Hospital	Naoki Tokumitsu
Nho Sendai Medical Center	Masayuki Ezura
Nho Shinshu Ueda Medical Center	Keiichi Sakai
Nihon University Itabashi Hospital	Atsuo Yoshino
Niigata City General Hospital	Kenichi Morita, Akihiko Saito
Niigata Prefectural Central Hospital	Igarashi Michitoku
Niigata Tokamachi Hospital	Mitsuo Kouno
Niigata University Medical and Dental Hospital	Yukihiko Fujii, Osamu Onodera
Niigatanougekabyouin	Kiyoshi Onda
Nishikobe Medical Center	Naoya Takeda

Nishinomiya Kyoritsu Neurosurgical Hospital	Hiroji Miyake
Nishio Municipal Hospital	Toshio Yokoe
Nishitokyo Central General Hospital	Tatsuya Nakamura
Nissan Tamagawa Hospital	Takayuki Kubodera
Nitobe Memorial Nakano General Hospital	Mitsuhiko Hokari
Noshiro Kosei Medical Center	Yasunari Otawara
Noto General Hospital	Cheho Park
Nozaki Tokushukai Hospital	Hidemitu Nakagawa
Obara Hospital	Souichi Obara
Obase Hospital	Haruki Takahashi
Obihiro Kosei General Hospital	Masafumi Ohtaki
Odate Municipal General Hospital	Atsuya Okubo
Ogaki Tokushukai Hospital	Katsuhiko Hayashi
Ohnishi Neurological Center	Hideyuki Ohnishi, Yoshihiro Kuga
Ohta Nishinouchi Hospital	Masahisa Kawakami
Oita Prefectural Hospital	Yu Takeda
Oitaken Koseiren Tsurumi Hospital	Akihiko Kaga
Okaya City Hospital	Ryoichi Hayashi
Okayama City Hospital	Koji Tokunaga
Okayama Kyokuto Hospital	Hiroyuki Nakashima
Okayama University Hospital	Isao Date

Okinawa Kyodo Hospital	Koji Idomari, Nobuyuki Kaneko
Okinawa Prefectural Nanbu Medical Center and Children's Medical Center	Tomoaki Naganine
Okitama Public General Hospital	Toshihiko Kinjo
Ome Municipal General Hospital	Yoshiaki Takada, Osamu Tao
Omiyachiman Community Medical Center	Masayuki Nakajima
Omori Red Cross Hospital	Akira Isoshima
Omuta City Hospital	Terukazu Kuramoto
Onomichi Municipal Hospital	Shigeru Daido
Osaka Medical College	Toshihiko Kuroiwa
Osaka National Hospital	Kazuo Hashikawa
Osaka Neurological Institute	Akatsuki Wakayama
Osaka Neurosurgical Hospital	Naoki Hayashi
Osaka University Hospital	Kouich Iwatsuki, Toshiki Yoshimine
Osaki Citizen Hospital	Masahiro Yoshida
Otaru General Hospital	Yoshimasa Niiya
Otsu City Hospital	Motohiro Takayama
Otsu Red Cross Hospital	Masaaki Saiki
Rakuwakaiotowa Hospital	Kazuo Yamamoto
Research Institute For Brain and Blood Vessels-Akita	Junta Moroi, Taizen Nakase, Tatsuya Ishikawa
Saga-Ken Medical Centre Koseikan	Shuji Sakata, Hiroshi Sugimori

Saiseikai Futsukaichi Hospital	Naoko Fujimura
Saiseikai Imabari Hospital	Osamu Nishizaki
Saiseikai Kumamoto Hospital	Toru Nishi
Saiseikai Kurihashi Hospital	Hiroshi Wanihuti
Saiseikai Kyouto Hospital	Nobukuni Murakami
Saiseikai Matsusaka General Hospital	Hiroto Murata
Saiseikai Nagasaki Hospital	Wataru Haraguchi
Saiseikai Toyama Hospital	Yukio Horie
Saiseikai Yahata General Hospital	Yuji Okamoto
Saiseikai Yokohamashi Tobu Hospital	Makoto Inaba
Saiseikaiustunomiya Hospital	Masashi Nakatsukasa
Saitama City Hospital	Atsuhiro Kojima
Saitama Medical Center	Kyoichi Nomura
Saitama Red Cross Hosoiat	Toshie, Yamamoto Kenji Takahashi
Sakai City Medical Center	Yoshikazu Nakajima
Saku Central Hospital Advanced Care Center	Takaaki Yoshida
Sanyudohospital	Yohei Kudoh
Sapporo Azabu Neurosurgical Hospital	Toshitaka Nakamura
Sapporo Medical University Hospital	Nobuhiro Mikuni
Sapporo Shiroishi Memorial Hospital	Akira Takahashi
Sapporoteishinkaihospital	Rokuya Tanikawa

Sasebo Chuo Hospital	Seisaburo Sakamoto
Secomedic Hospital	Seiichiro Hoshi
Seikeikai Hospital	Yoshinari Okumura
Seirei Memorial Hospital	Sinichi Okabe
Seirei Mikatahara General Hospital	Haruhiko Sato
Sendai City Hospital	Hiroshi Karibe
Shakaiiryohoujinzaidanshinwakaiyachiyobyuin	Takashi Inoue
Shikoku Medical Center For Children and Adults	Kazuyuki Kuwayama
Shimane Prefectural Central Hospital	Tatsuya Mizoue
Shimizu Hospital	Takashi Yoshida
Shimonoseki City Hospital	Takaharu Nakamura
Shin Koga Hospital	Tsutomu Hitotsumatsu
Shin-Oyama City Hospital	Tomoaki Kameda
Shingu Municipal Medical Center	Mitsukazu Nakai, Hiroshi Ishiguchi
Shinonoi General Hosapital	Masanobu Hokama
Shinsapporo Neurosurgical Hospital	Akinori Yamamura
Shinshu University Hospital	Kazuhiro Hongo
Shinsuma General Hospital	Takeshi Kondoh
Shintakeohospital	Makoto Ichinose
Shizuoka Children's Hospital	Yuzuru Tashiro
Shizuoka City Shizuoka Hospital	Seiji Fukazawa

Shonan Kamakura General Hospital	Takahisa Mori
Showa Inan General Hospital	Shinsuke Muraoka
Showa University Fujigaoka Hospital	Tomoaki Terada
Shuuwa General Hospital	Tsuneo Shishido
Social Welfare Organization Saiseikai Imperial Gift Foundation Inc.	
Osaka Saiseikai Ibaraki Hospital	Yasunobu Gotou
Social Welfare Organization Saiseikai Imperial Gift Foundation Inc.Yamagata Saisei	Sunao Takemura
South Miyagi Medical Center	Hiroaki Arai
Southern Tohoku Hospital	Zenichiro Watanabe
St. Marianna University School of Medicine	Yuichiro Tanaka
St.Luke's International Hospital	Yasunari Niimi
Steel Memorial Yawata Hospital	Shinya Yamaguchi, Akira Nakamizo
Suiseikai Kajikawa Hospital	Shinichi Wakabayashi
Suwa Central Hospital	Hiroki Sato
Suwa Red Cross Hospital	Yukinari Kakizawa
Syakaiiryohouzin Kouseikai Takai Hospital	Tetsuya Morimoto
Tachibana Medical Corporation Higashisumiyoshi Morimoto Hospital	Naofumi Isono
Tachikawa General Hospital	Hiroki Takano, Hiroshi Abe
Takamatsu Municipal Hospital	Norihito Shirakawa
Takamatsu Red Cross Hospital	Masahiro Kagawa

Takarazuka City Hospital	Eiichiro Mabuchi
Takarazuka Daiichi Hospital	-
Takatsuki General Hospital	Kazusige Maeno
Takeda General Hospital Organization	Takayuki Koizumi
Takeda Hospital	Waro Taki
Takikawa Neurosurgical Hospital	Yusuke Nakagaki
Tanushimaru Central Hospital	Yoshihisa Matumoto
Teinekeijinkai Hospital	Katuyuki Asaoka
Tenri Hospital	Yoshinori Akiyama
Tenshindo Hetsugi Hospital	Tadao Kawamura
Teraoka Memorial Hospital	Atumi Takenobu
The Veritas Hospital	Masayuki Yokota
Tobata Kyoritu Hospital	Taketoshi Tuji
Tohoku University Hospital	Teiji Tominaga
Tokai University Hachioji Hospital	Shigeru Nogawa, Masami Shimoda
Toki General Hospital	Sinji Noda
Tokushima Red Cross Hospital	Hajimu Miyake
Tokushima University Hospital	Shinji Nagahiro, Junichiro Satomi
Tokuyama Central Hospital	Kunihiko Harada
Tokyo Dental College Ichikawa General Hospital	Sadao Suga
Tokyo General Hospital	Shinichi Numazawa

Tokyo Medical and Dental University	Taketoshi Maehara
Tokyo Medical University Hachioji Medical Center	Hiroyuki Jimbo, Jyunya Tsurukiri
Tokyo Medical University Hospital	Michihiro Kohno
Tokyo Metropolitan Hiroo Hospital	Kensaku Yoshida
Tokyo Metropolitan Geriatric Hospital and Institute of Gerontology	Koji Matuoka
Tokyo Metropolitan Tama Medical Center	Takahiro Ota
Tokyo Saiseikai Central Hospital	Haruhiko Hoshino
Tokyo Teisin Hospital	Makoto Noguchi
Tokyo Women's Medical University	Takakazu Kawamata
Tokyo Yamate Medical Center	Yasuaki Takeda
Tomakomaihigashi Hospital	Youichi Hashimoto
Tomei Atsugi Hopital	Keiichirou Onitsuka
Tominaga Hospital	Masahiko Kitano
Tomishiro Central Hospital	Jae-Hyun Son
Tottori Municipal Hospital	Keiichi Akatsuka
Tottori University	Masamichi Kurosaki, Takashi Watanabe
Toyama City Hospital	Miyamori Tadao
Toyama Prefectural Central Hospital	Hiroaki Hondo
Toyama Red Cross Hospital	Kazumasa Yamatani, Kotaro Tsumura
Toyama University Hospital	Satoshi Kuroda
Toyohashi Municipal Hospital	Hirofumi Oyama

Toyokawa City Hospital	Takayuki Watanabe
Toyooka Hospital	Kazuhiro Tanaka
Tsuchiura Kyodo General Hospital	Shinji Yamamoto
Tsukuba Medical Center Hospital	Kazuya Uemura
Tsuruoka Municipal Shonai Hospital	Hiroshi Maruya, Kazuhiko Sato
Tsutiura Kyodo Hospital Namegata District Medical Center	Hitoshi Tabata
Tsuyama Chuo Hospital	Hideyuki Yoshida
Tyuubu Rousai Hospital	Noriaki Matubara
Ube Kohsan Industries Hospital	Takafumi Nishizaki
Uki General Hospital	Hiroshi Egami
University of Fukui Hospital	Osamu Yamamura
University of Occupational and Environmental Health	Junkoh Yamamoto
University of The Ryukyus Hospital	Shogo Ishiuchi
	Yuji Matsumaru, Akira Matsumura, Tetsuya Yamamoto
University of Tsukuba Hospital	
University of Yamanashi	Hiroyuki Kinouchi
Urasoe General Hospital	Susumu Mekaru
Ushioda General Hospital	Hitoshi Ozawa
Uwajima City Hospital	Kiichiro Zenke
Wakayama Medical University Hospital	Naoyuki Nakao
Wakayama Rosai Hospital	Toshikazu Kuwata

Wakayama-Seikyo Hospital	Teruyuki Habu
Yaizu City Hospital	Seiya Takehara
Yamagata City Hospital Saiseikan	Rei Kondo
Yamagata Prefectural Central Hospital	Takashi Kumagai
Yamagata Prefectural Shinjo Hospital	Keiten So
Yamagata University Hospital	Yukihiko Sonoda
Yamaguchi Prefectural Grand Medical Center	Manabu Urakawa
Yamaguchi Red Cross Hospital	Yasuhiro Hamada
Yamaguchi University Hospital	Michiyasu Suzuki
Yamanashi Prefectural Central Hospital	Shin Nakano, Hidehito Koizumi
Yamanashi Redcross Hospital	Hiroshi Ozawa
Yamanashikouseibyoin	Mikito Uchida
Yamato Municipal Hospital	Masaru Yamada
Yao Tokushukai General Hospital	Takashi Turuno
Yatsuo General Hospital	Ryouichi Masuda
Yawata Medical Center	Makoto Kimura
Yayoigaoka Kage Hospital	Shin-Ichiro Ishihara
Yodogawa Christian Hospital	Masashi Morikawa
Yokohama City Minato Red Cross Hospital	Yasunori Takemoto, Hiroaki Tanaka
Yokohama City University Hospital	Hidetoshi Murata, Nobutaka Kawahara
Yokohama City University Medical Center	Katsumi Sakata

Yokohamasinmidorihospital

Yonezawa City Hospital

Yoshida Hospital

Yuaikaihospital

Endo Sumio

Tooru Sasaki

Yasuhisa Yoshida

Yoshihumi Teramoto