

部 局 大学院医学研究科

講 座 内科学講座 循環器内科学分野

氏 名 大竹 寛雅

学 歴	年 月 日	事 項
1993年4月	神戸大学医学部	入学
1999年3月	同大学	卒業
学 位	年 月 日	事 項
2007年2月14日	医学博士	
免 許	年 月 日	事 項
1999年5月6日	医師免許	
認定医等	年 月 日	事 項
2011年9月14日	日本内科学会 認定医	
2013年4月1日	日本循環器学会 専門医	
2013年4月1日	日本心血管インターベンション学会 認定医	
2018年6月1日	浅大腿動脈ステントグラフト	実施医
2018年6月29日	経カテーテル的大動脈弁置換術(TAVR)SAPIEN シリーズ	実施医
2018年6月29日	経カテーテル的大動脈弁置換術(TAVR)CoreValve シリーズ	実施医
2018年11月4日	日本心血管インターベンション学会 専門医	
2018年11月24日	臨床研修指導医	
2019年4月1日	経皮的心房中隔欠損閉鎖術	実施医
2019年11月20日	経カテーテル的大動脈弁置換術(TAVR) SAPIEN シリーズ	指導医
2019年12月24日	経皮的卵円孔開存閉鎖術	実施医
2021年6月21日	経カテーテル的大動脈弁置換術(TAVR) CoreValve シリーズ	指導医
2022年4月21日	方向性粥腫切除術(DCA)	実施医
2022年5月14日	経皮的僧帽弁接合不全修復術(MitraClip)	実施医
2022年12月22日	日本循内科学会 総合内科専門医	
職 歴	年 月 日	事 項
1999年5月	大阪府済生会中津病院	内科研修医
2002年5月	同上	退職
2002年6月	兵庫県立姫路循環器病センター	循環器科研修医
2003年5月	同上	退職
2003年6月	神戸大学医学部附属病院	循環器内科医員
2007年5月	同上	退職
2007年6月	米国 Stanford 大学 Department of Cardiology, Research Fellow	
2010年6月	同上	退職
2010年7月	神戸大学医学部附属病院	冠動脈疾患治療部医員
2010年8月	同上	退職
2010年9月	神戸大学医学部附属病院	冠動脈疾患治療部特定助教
2012年6月	同上	退職
2012年7月	神戸大学医学部附属病院循環器内科	特定助教
2012年8月	同上	退職
2012年9月	神戸大学医学部附属病院	循環器内科助教
2018年3月	同上	退職
2018年4月	神戸大学医学部附属病院	冠動脈疾患治療部講師
2019年4月	神戸大学医学部附属病院	冠動脈疾患治療部部長
2022年3月	神戸大学医学部附属病院	冠動脈疾患治療部講師 退職
2022年4月	神戸大学医学部附属病院	冠動脈疾患治療部准教授

賞 罰

2007 年 Stanford-St. Jude Medical Scholarship Program 2006

2010 年 米国心臓病学会(JACC intervention): Young Authorship Award 2009

業 績 目 録

1. 著書

No. 1

(英文：番号，著者名（掲載順に全員），著書名，発行所，発行年（西暦），頁の順に記入してください。)

(和文：番号，著書名，著者名（掲載順に全員），発行所，頁，発行年（西暦）の順に記入してください。)

英文著書

単著 該当なし

共著 該当なし

分担執筆

1. **Otake H**

Interventional Cardiology Clinics: Optical Coherence Tomography-Guided Percutaneous Coronary Intervention: Evidence and Clinical Trials.

Elsevier. 2023 April. 225-236

2. **Otake H**, Honda Y, Fitzgerald PJ

Oxford Text Book of Interventional Cardiology: The role of IVUS in PCI.

Oxford Univ. Press. 2010 Chapter 10: 147-174

和文著書

単著 該当なし

共著 該当なし

分担執筆

1. PCI・EVT・SHD インターベンション スペシャルハンドブック

大竹 寛雅 編者：新家俊郎/藤原昌彦/渡邊雄介

株式会社 南江堂 34-37 2023

2. POPAI 直伝！FFR 使いこなしハンドブック FFR_{CT}による不安定プラークの予後予測

大竹 寛雅 編者：松尾仁司

南江堂 201-204, 2021 年

3. 非侵襲的虚血評価スタンダードマニュアル FFR_{CT}による虚血診断と PCI

大竹寛雅 編者：松本直也/田中信大

株式会社メジカルビュー社 130-138. 2020 年

4. FFR スタンダードマニュアル FFR_{CT}の理論

大竹寛雅 編者：田中信大

株式会社メジカルビュー社 34-39. 2019 年

5. FFR スタンダードマニュアル FFR_{CT}による診断戦略の変化

大竹寛雅 編者：田中信大

株式会社メジカルビュー社 207-214. 2019 年

6. カラーで診る PCI マニュアル Circulation Up-to-Date OCT

大竹寛雅、志手淳也，新家俊郎 編者：中川義久

メディカ出版 287-295. 2011 年

業 績 目 録

2. 論文 (原著)

No. 2

(英文：番号，著者名（掲載順に全員），論文題目，発行雑誌名，発行年（西暦），巻，頁，
(IF= ， CI=) の順に記入してください。 corresponding author(s)には，著
者名の左に*を付してください。)

(和文：番号，論文題目，著者名（掲載順に全員），発行雑誌名，巻，頁，発行年（西暦）
の順に記入してください。) [総説，その他も同様 (IF, CI は不要)]

(英文)

1. Yamamoto T, Kawamori H, Toba T, Sasaki S, Fujii H, Hamana T, Osumi Y, Iwane S, Naniwa S, Sakamoto Y, Matsuhama K, Fukuishi Y, Hirata KI, ***Otake H**
Impact of Pericoronary Adipose Tissue Attenuation on Periprocedural Myocardial Injury in Patients with Chronic Coronary Syndrome.
J Am Heart Assoc. 2023 Nov 16 In Press (IF=5.4, CI=0)
2. Sasaki S, Kawamori H, Toba T, Takeshige R, Fukuyama Y, Hiromasa T, Fujii H, Hamana T, Osumi Y, Iwane S, Yamamoto T, Naniwa S, Sakamoto Y, Matsuhama K, Fukuishi Y, Shinke T, Hirata KI, ***Otake H**.
Diagnostic Accuracy of Pre-Transcatheter Aortic Valve Replacement Nitroglycerin-Free Fractional Flow Reserve-Computed Tomography-Based Physiological Assessment in Patients With Severe Aortic Stenosis for Predicting Post-Transcatheter Aortic Valve Replacement Ischemia.
Circ J. 2023 Oct 7 In Press (IF=3.3, CI=0)
3. *Andreini D, Belmonte M, Penicka M, Van Hoe L, Mileva N, Paolisso P, Nagumo S, Nørgaard BL, Ko B, **Otake H**, Koo BK, Jensen JM, Mizukami T, Munhoz D, Updegrove A, Taylor C, Leipsic J, Sonck J, De Bruyne B, Collet C.
Impact of coronary CT image quality on the accuracy of the FFRCT Planner.
Eur Radiol. 2023 Oct 5. In Press (IF=5.9, CI=0)
4. Kondo S, Mizukami T, Kobayashi N, Wakabayashi K, Mori H, Yamamoto MH, Sambe T, Yasuhara S, Hibi K, Nanasato M, Sugiyama T, Kakuta T, Kondo T, Mitomo S, Nakamura S, Takano M, Yonetsu T, Ashikaga T, Dohi T, Yamamoto H, Kozuma K, Yamashita J, Yamaguchi J, Ohira H, Mitsumata K, Namiki A, Kimura S, Honye J, Kotoku N, Higuma T, Natsumeda M, Ikari Y, Sekimoto T, Matsumoto H, Suzuki H, **Otake H**, Sugizaki Y, Isomura N, Ochiai M, Suwa S, *Shinke T, TACTICS investigators.
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J Am Heart Assoc. 2023 Oct 17;12(20): e030412. (IF=5.4, CI=0)
5. *Yamawaki M, Murasato Y, Watanabe Y, Kinoshita Y, Okubo M, Yumoto K, Masuda N, **Otake H**, Aoki J, Nakazawa G, Numasawa Y, Ito T, Shite J, Okamura T, Takagi K, Kozuma K, Lefèvre T, Chevalier B, Louvard Y, Suzuki N, Kozuma K.
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6. Yamamoto K, Shiomi H, Morimoto T, Miyazawa A, Watanabe H, Nakamura S, Suwa S, Domei T, Ono K, Sakamoto H, Shigetoshi M, Taniguchi R, Okayama H, Toyota T, Yokomatsu T, Muto M, Kawaguchi R, Kishi K, Hadase M, Fujita T, Nishida Y, Nishino M, **Otake H**, Natsuaki M, Watanabe H, Suematsu N, Tanabe K, Abe M, Hibi K, Kadota K, Ando K, *Kimura T, OPTIVUS-Complex PCI Investigators.
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7. Yonetsu T, Wakabayashi K, Mizukami T, Yamamoto MH, Yasuhara S, Kondo S, Oishi Y, Okabe T, Sugiyama T, Araki M, Takano M, Kobayashi N, Kimura S, Yamakami Y, Suwa S, Nakamura S, Mitomo S, Kakuta T, Usui E, Higuma T, Ako J, Minami Y, Iwasaki M, Shite J, Kozuki A, Saito S, Shishido K, Okura H, Naruse G, Uemura S, Kume T, Nanasato M, Dohi T, Ashikaga T, **Otake H**, Mori H, Sekimoto T, Sugizaki Y, *Shinke T, ATLAS-OCT Investigators.
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8. Sakai K, Mizukami T, Leipsic J, Belmonte M, Sonck J, Nørgaard BL, **Otake H**, Ko B, Koo BK, Maeng M, Jensen JM, Buytaert D, Munhoz D, Andreini D, Ohashi H, Shinke T, Taylor CA, Barbato E, Johnson NP, De Bruyne B, *Collet C.
Coronary Atherosclerosis Phenotypes in Focal and Diffuse Disease.
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9. Yamamoto T, Kawamori H, Toba T, Kakizaki S, Nakamura K, Fujimoto D, Sasaki S, Fujii H, Hamana T, Osumi Y, Iwane S, Naniwa S, Sakamoto Y, Matsuhama K, Fukuishi Y, Kozuki A, Shite J, Iwasaki M, Ishida A, Hirata KI, ***Otake H**.
Clinical impact of optical coherence tomography findings after drug-coated balloon treatment for patients with acute coronary syndromes.
Int J Cardiol. 2023 Sep 15;387:131149. (IF=3.5, CI=0)
10. Belmonte M, Maeng M, *Collet C, Nørgaard BL, **Otake H**, Ko B, Koo BK, Mizukami T, Updegrave A, Barbato E, De Bruyne B, Leipsic J, Taylor C, Andreini D, Sonck J.
Accuracy of a virtual PCI planner based on coronary CT angiography in calcific lesions.
J Cardiovasc Comput Tomogr. 2023 In Press (IF=5.4, CI=0)
11. Hamana T, **Otake H (Co 1st)**, *Kuramitsu S, Shinozaki T, Ohya M, Horie K, Kawamoto H, Yamanaka F, Natsuaki M, Shiomi H, Nakazawa G, Ando K, Kadota K, Saito S, Kimura T, REAL-ST Registry Investigators.
Association between cancer history and second-generation drug-eluting stent thrombosis: insights from the REAL-ST registry.
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12. Fujimoto D, Shinohara M, Kawamori H, Toba T, Kakizaki S, Nakamura K, Sasaki S, Hamana T, Fujii H, Osumi Y, Hayasaka N, Kishino S, Ogawa J, Hirata KI, ***Otake H**.
The relationship between unique gut microbiome-derived lipid metabolites and subsequent revascularization in patients who underwent percutaneous coronary intervention.
Atherosclerosis. 2023 Jun;375:1-8. (IF=5.3, CI=0)
13. Yamamoto K, Shiomi H, Morimoto T, Miyazawa A, Watanabe H, Nakamura S, Suwa S, Domei T, Ono K, Sakamoto H, Shigetoshi M, Taniguchi R, Okayama H, Yokomatsu T, Muto M, Kawaguchi R, Kishi K, Hadase M, Fujita T, Nishida Y, Nishino M, **Otake H**, Natsuaki M, Watanabe H, Suematsu N, Tanabe K, Abe M, Hibi K, Kadota K, Ando K, *Kimura T, OPTIVUS-Complex PCI Investigators.
Dual Antiplatelet Therapy Duration After Multivessel Optimal Intravascular Ultrasound-Guided Percutaneous Coronary Intervention.
Circ J. 2023 May 16. In Press. (IF=3.3, CI=0)
14. Yamamoto K, Shiomi H, Morimoto T, Miyazawa A, Watanabe H, Natsuaki M, Watanabe H, Yamaji K, Ohya M, Nakamura S, Mitomo S, Suwa S, Domei T, Tatsushima S, Ono K, Sakamoto H, Shimamura K, Shigetoshi M, Taniguchi R, Nishimoto Y, Okayama H, Matsuda K, Yokomatsu T, Muto M, Kawaguchi R, Kishi K, Hadase M, Fujita T, Nishida Y, Nishino M, **Otake H**, Suematsu N, Ajimi T, Tanabe K, Abe M, Hibi K, Kadota K, Ando K, *Kimura T, OPTIVUS-Complex PCI Investigators.
Target Lesion Revascularization After Intravascular Ultrasound-Guided Percutaneous Coronary Intervention.
Circ Cardiovasc Interv. 2023 May;16(5):e012922. (IF=5.6, CI=3)
15. Yamamoto K, Shiomi H, Morimoto T, Watanabe H, Miyazawa A, Yamaji K, Ohya M, Nakamura S, Mitomo S, Suwa S, Domei T, Tatsushima S, Ono K, Sakamoto H, Shimamura K, Shigetoshi M,

Taniguchi R, Nishimoto Y, Okayama H, Matsuda K, Yokomatsu T, Muto M, Kawaguchi R, Kishi K, Hadase M, Fujita T, Nishida Y, Nishino M, **Otake H**, Tanabe K, Abe M, Hibi K, Kadota K, Ando K, *Kimura T, OPTIVUS-Complex PCI Investigators.

Optimal Intravascular Ultrasound-Guided Percutaneous Coronary Intervention in Patients With Multivessel Disease.

JACC Asia. 2023 Mar 11,3(2):211-225. (IF=0.00, CI=0)

16. Kumar S, Molony D, Khawaja S, Crawford K, Thompson EW, Hung O, Shah I, Navas-Simbana J, Ho A, Kumar A, Ko YA, Hosseini H, Lefieux A, Lee JM, Hahn JY, Chen SL, **Otake H**, Akasaka T, Shin ES, Koo BK, Stankovic G, Milasinovic D, Nam CW, Won KB, Escaned J, Erglis A, Murasato Y, Veneziani A, *Samady H.

Stent underexpansion is associated with high wall shear stress: a biomechanical analysis of the shear stent study.

Int J Cardiovasc Imaging. 2023 Jul,39(7):1375-1382. (IF=2.1, CI=0)

17. Mileva N, Ohashi H, Paolisso P, Leipsic J, Mizukami T, Sonck J, Norgaard BL, **Otake H**, Ko B, Maeng M, Munhoz D, Nagumo S, Belmonte M, Vassilev D, Andreini D, Barbato E, Koo BK, De Bruyne B, *Collet C.

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18. Takeuchi K, Yamauchi Y, Shiraki H, Sumimoto K, Shono A, Suzuki M, Yamashita K, Toba T, Kawamori H, **Otake H**, Hirata KI, *Tanaka H.

Association of acute improvement in left ventricular longitudinal function after transcatheter aortic valve implantation with outcomes for severe aortic stenosis and preserved ejection fraction.

J Cardiol. 2023 Oct,82(4):234-239. (IF=2.5, CI=0)

19. Hamana T, Kawamori H, Toba T, Nishimori M, Tanimura K, Kakizaki S, Nakamura K, Fujimoto D, Sasaki S, Osumi Y, Fujii M, Iwane S, Yamamoto T, Naniwa S, Sakamoto Y, Fukuishi Y, Matsuhama K, Hirata KI, ***Otake H**.

Prediction of the debulking effect of rotational atherectomy using optical frequency domain imaging: a prospective study.

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20. Hamana T, Kawamori H, Toba T, Kakizaki S, Nakamura K, Fujimoto D, Sasaki S, Fujii H, Osumi Y, Fujioka T, Nishimori M, Kozuki A, Shite J, Iwasaki M, Takaya T, Hirata KI, ***Otake H**.

Predictors of target lesion revascularization after drug-eluting stent implantation for calcified nodules: an optical coherence tomography study.

EuroIntervention. 2023 Jun 5,19(2):e123-e133. (IF=6.2, CI=2)

21. Fukuyama Y, ***Otake H**, Seike F, Kawamori H, Toba T, Takahashi Y, Sasabe K, Kimura K, Shite J, Kozuki A, Iwasaki M, Takaya T, Yasuda K, Yamaguchi O, Hirata KI.

Potential relationship between high wall shear stress and plaque rupture causing acute coronary syndrome.

Heart Vessels. 2023 May,38(5):634-644. (IF=1.5, CI=1)

22. ***Otake H**, Ishida M, Nakano S, Higuchi Y, Hibi K, Kuriyama N, Iwasaki M, Kataoka T, Kubo T, Tsujita K, Ashikaga T, Shinke T, Itoh T, Kimura T, Morino Y, MECHANISM-AMI RCT Investigators. Comparison of MECHANISM of early and late vascular responses following treatment of ST-elevation acute myocardial infarction with two different everolimus-eluting stents: a randomized controlled trial of biodegradable versus durable polymer stents.

Cardiovasc Interv Ther. 2023 Jan,38(1):75-85. (IF=3.2, CI=3)

23. Nakatani S, *Sotomi Y, Suzuki S, Kobayashi T, Hamanaka Y, Omatsu T, Ishida M, Kakizaki S, **Otake H**, Morino Y, Higuchi Y, MECHANISM-AMI RCT Investigators.

Angioscopic Comparison of Early- and Mid-Term Vascular Responses Following Treatment of ST-Elevation Acute Myocardial Infarction With Biodegradable vs. Durable Polymer Everolimus-Eluting Stents - A Prespecified Subanalysis of the MECHANISM AMI RCT.

Circ J. 2023 Apr 25,87(5):619-628. (IF=3.3, CI=0)

24. Hamana T, Fujimoto W, *Konishi A, Takemoto M, Kuroda K, Yamashita S, Imanishi J, Iwasaki M, Todoroki T, Okuda M, Hayashi T, **Otake H**, Tanaka H, Shinohara M, Toh R, Hirata KI.
Differences in Prognostic Factors among Patients Hospitalized for Heart Failure According to the Age Category: From the KUNIUMI Registry Acute Cohort.
Intern Med. 2022;61(21):3171-3180. (IF=1.2, CI=0)
25. Mizukami T, Sonck J, Sakai K, Ko B, Maeng M, **Otake H**, Koo BK, Nagumo S, Nørgaard BL, Leipsic J, Shinke T, Munhoz D, Mileva N, Belmonte M, Ohashi H, Barbato E, Johnson NP, De Bruyne B, *Collet C.
Procedural Outcomes After Percutaneous Coronary Interventions in Focal and Diffuse Coronary Artery Disease.
J Am Heart Assoc. 2022 Dec 6;11(23):e026960. (IF=5.4, CI=5)
26. Kakizaki S, ***Otake H**, Seike F, Kawamori H, Toba T, Nakano S, Tanimura K, Takahashi Y, Fukuyama Y, Fujimoto D, Nakamura K, Fujii H, Kozuki A, Shite J, Iwasaki M, Takaya T, Yamaguchi O, Hirata KI.
Optical Coherence Tomography Fractional Flow Reserve and Cardiovascular Outcomes in Patients with Acute Coronary Syndrome.
JACC Cardiovasc Interv. 2022 Oct 24;15(20):2035-2048. (IF=11.3, CI=2)
27. Tsuji K, Ishida M, *Itoh T, Kimura T, Kikuchi T, Okubo M, Hayashi T, **Otake H**, Shinke T, Morino Y.
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Eur Heart J Open. 2022 Feb 4;2(1):oeac005. (IF=0.0, CI=0)
28. Yamamoto MH, Kondo S, Mizukami T, Yasuhara S, Wakabayashi K, Kobayashi N, Sambe T, Hibi K, Nanasato M, Sugiyama T, Kakuta T, Kondo T, Mitomo S, Nakamura S, Takano M, Yonetsu T, Ashikaga T, Dohi T, Yamamoto H, Kozuma K, Yamashita J, Yamaguchi J, Ohira H, Mitsumata K, Namiki A, Kimura S, Honye J, Kotoku N, Higuma T, Natsumeda M, Ikari Y, Sekimoto T, Mori H, Suzuki H, **Otake H**, Isomura N, Ochiai M, Suwa S, *Shinke T, TACTICS investigators.
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J Cardiol. 2022 Dec;80(6):505-510. (IF=2.5, CI=6)
29. Sonck J, Nagumo S, Nørgaard BL, **Otake H**, Ko B, Zhang J, Mizukami T, Maeng M, Andreini D, Takahashi Y, Jensen JM, Ihsdayhid A, Heggermont W, Barbato E, Mileva N, Munhoz D, Bartunek J, Updegrove A, Collinsworth A, Penicka M, Van Hoe L, Leipsic J, Koo BK, De Bruyne B, *Collet C.
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JACC Cardiovasc Imaging. 2022 Jul;15(7):1242-1255. (IF=14.0, CI=16)
30. Nakamura K, *Toba T, **Otake H**, Kakizaki S, Fujimoto D, Takahashi Y, Fukuyama Y, Kawamori H, Tanaka H, Takaya T, Iwasaki M, Kozuki A, Kawai H, Hayashi T, Shite J, Hirata KI.
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31. Toba T, ***Otake H**, Roy A, Choi G, Gobi N, Schaap M, Fujii H, Fujimoto D, Kakizaki S, Nakamura K, Takahashi Y, Fukuyama Y, Kawamori H, Taylor CA, Hirata KI.
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J Cardiovasc Comput Tomogr. 2022 Jul-Aug;16(4):358-361. (IF=5.4, CI=0)
32. Emoto T, Yamamoto H, *Yamashita T, Takaya T, Sawada T, Takeda S, Taniguchi M, Sasaki N, Yoshida N, Saito Y, Sivasubramaniyam T, **Otake H**, Furuyashiki T, Robbins CS, Kawai H, Hirata KI.

Single-Cell RNA Sequencing Reveals a Distinct Immune Landscape of Myeloid Cells in Coronary Culprit Plaques Causing Acute Coronary Syndrome.

Circulation. 2022 May 3,145(18):1434-1436. (IF=37.8, CI=8)

33. Takahashi Y, **Otake H (Co 1st)**, *Kuramitsu S, Ohya M, Horie K, Kawamoto H, Yamanaka F, Natsuaki M, Shiomi H, Nakazawa G, Ando K, Kadota K, Saito S, Kimura T.

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34. Taguchi Y, *Itoh T, Sasaki W, Oda H, Uchimura Y, Kaneko K, Sakamoto T, Goto I, Sakuma M, Ishida M, Terashita D, **Otake H**, Morino Y, Shinke T.

Predictors of Irregular Protrusion After Everolimus-Eluting Stent Implantation in Patients with Stable Coronary Artery Disease.

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業 績 目 録

5. 学会発表（国内学会） No. 27
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【Late-breaking clinical trial】

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2. Uniform Vessel Healing after Everolimus-eluting Stent implantation: Detailed Comparison with Paclitaxel-eluting Stent by Optical Coherence Tomography 大末剛史, 志手淳也, 新家俊郎, 大竹寛雅, 中川雅之, 名越良治, 上月周, 井上琢海, 張木洋寿, 谷口悠, 岩崎正道, 西尾亮, 平沼 永敏, 小西明英, 平田健一 第 76 回 日本循環器学会学術集会総会 2012

【パネルディスカッション/ビジュアルワークショップ/コントロールバーシー】

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業 績 目 録

6. 学会発表（国際会議）

No. 30

（番号，演題名，発表者（共同発表者を含む），学会名，発行年の順に記入してください。）

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