Publications:

Original Papers:

1. **Waxman S**, Eustace S, Hartnell G. Myocardial involvement in primary hemochromatosis is demonstrable by magnetic resonance imaging. Am Heart J 1994;128:1047-1049

2. Zarich S, **Waxman S**, Freeman RT, Mittleman M, Hegarty P, Nesto RW. Effect of autonomic nervous system dysfunction on the circadian pattern of myocardial ischemia in diabetes mellitus.

3. **Waxman S**, Sassower M, Mittleman M, Zarich S, Miyamoto A, Manzo KS, Muller JE, Abela GS, Nesto RW. Angioscopic predictors of early adverse outcome following coronary angioplasty in patients with unstable angina and non-Q wave myocardial infarction. Circulation 1996;93:2106-2113

4. **Waxman S**, Mittleman MA, Zarich SW, Fitzaptrick PJ, Lewis SM, Leeman DE, Shubrooks SJ, Snyder JT, Muller JE, Nesto RW. Angioscopic assessment of coronary lesions underlying thrombus.

5. Nesto RW, **Waxman S**, Mittleman MA, Sassower MA, Fitzpatrick PJ, Lewis SM, Leeman DE, Shubrooks SJ, Manzo K, Zarich SW. Angioscopy of culprit coronary lesions in unstable angina: Correlation of clinical presentation with plaque morphology.

6. Al-Sergani H, Fitzpatrick PJ, **Waxman S**. Angiographic and ultrasonic evidence of plaque rupture causing myocardial infarction. Circulation 1998;98:1348

7. Verrier RL, **Waxman S**, Lovett EG, Moreno R. Transatrial access to the normal pericardial space: A novel approach for diagnostic sampling, pericardiocentesis, and therapeutic intervention. Circulation 1998;98:2331-2333

8. Abela GS, Eisenberg JD, Mittleman MA, Nesto RW, Leeman D, Zarich S, **Waxman S**, Prieto AR, Manzo KS. Detecting and differentiating white from red coronary thrombus by angiography in angina pectoris and in acute myocardial infarction.

9. **Waxman S**, Moreno R, Rowe K, Verrier RL. Persistent primary coronary dilation induced by transatrial delivery of nitroglycerin into the pericardial space: A novel approach for local cardiac drug delivery.

10. Al-Sergani HS, Ho PC, Nesto RW, Lewis SM, Leeman D, Fitzpatrick P, Mittleman M, **Waxman S**, Shubrooks SJ. Stenting for in-stent restenosis: A long-term clinical follow-up. Cathet. Cardiovasc. Intervent. 1999;48:143-148

11. Ilegbusi OJ, Hu Z, Nesto R, **Waxman S**, Cyganski D, Kilian J, Stone PH, Feldman CL. Determination of blood flow and endothelial shear stress in human coronary artery in vivo. Invasive Cardiol 1999;11:667-674

12. **Waxman S**, Pulerwitz T, Quist W, Rowe K, Verrier RL. Preclinical safety testing of percutaneous transatrial access to the normal pericardial space for local cardiac drug delivery and diagnostic sampling. Cathet. Cardiovasc. Intervent. 2000;49:472-477

13. Moreno R, **Waxman S**, Rowe K, Verrier RL. Intrapericardial beta-adrenergic blockade with esmolol exerts a potent anti-tachycardic effect without depressing contractility. J Cardiovasc Pharmacol. 2000;36(6):722-7

14. Shubrooks SJ, Nesto RW, Leeman D, **Waxman S**, Lewis SM, Fitzpatrick P, Dib N. Urgent coronary bypass surgery for failed percutaneous coronary intervention in the stent era: Is backup still necessary? Am Heart J 2001;142:190-196

15. Pulerwitz T, **Waxman S**, Rowe K, Quist WC, Lipinska I, Verrier RL. Transatrial access to the normal pericardial space for local cardiac therapy: Preclinical safety testing with aspirin and pulmonary artery hypertension. J Interventional Cardiology 2001;14:493-498

16. Wang FW, Stouffer RA, **Waxman S**, Uretsky BF. Late stent thrombosis in non-brachytherapy patients. Cathet. Cardiovasc. Intervent., 2002;55(2):142-147

17. Feldman CL, Ilegbusi OJ, Hu Z, Nesto R, **Waxman S**, Stone PH. Determination of in vivo velocity and endothelial shear stress patterns with phasic flow in human coronary arteries: A methodology to predict progression of coronary atherosclerosis. Am Heart J. 2002 Jun;143(6):931-9

18. Kumar K, Nguyen K, **Waxman S**, Nearing BD, Wellenius G, Zhao SX, Verrier RL. Potent antifibrillatory effects of intrapericardial nitroglycerin in the ischemic porcine heart. J Am Coll Cardiol 2003;41:1831-7

19. **Waxman S**, Mittleman MA, Zarich SW, Fitzpatrick PJ, Leeman DE, Lewis SM, Shubrooks SJ, Abela GS, Nesto RW. Plaque disruption and thrombus in Ambrose's angiographic lesion types. Am J Cardiol 2003;92:16-20.

20. Wang FW, Osman A, Otero J, Stouffer GA, **Waxman S**, Afzal A, Anzuini A, Uretsky BF. Distal myocardial protection during percutaneous coronary intervention with an intracoronary beta blocker. Circulation 2003;107:2914-2919.

21. Osman A, Otero J, Brizolara A, **Waxman S**, Stouffer GA, Fitzgerald PB, Uretsky BF. Effect of rosiglitazone on restenosis after coronary stenting In type II diabetics. Am Heart J 2004;147(5):e23.

22. Kimmelstiel C, Badar J, Covic L, **Waxman S**, Weintraub A, Jacques S, Kuliopulos A. Pharmacodynamics and pharmacokinetics of the platelet GP IIb/IIIa inhibitor tirofiban in patients undergoing percutaneous coronary intervention: implications for adjustment of tirofiban and clopidogrel dosage. Thrombosis Research 2005;116:55-66.

23. Choi SW, Saltzman AJ, Dabreo A, Salomon RN, Gray JG, Senseney-Mellor H, Gosnell MR,

Waxman S. Low-power ultrasound delivered through a PTCA-like guidewire: Preclinical feasibility and safety of a novel technology for intracoronary thrombolysis. J Interv Cardiol. 2006 Feb;19(1):87-92.

24. Sivasankaran S, Sonn AT, Venesy DM, Labib, SB, Tronic BS, Shuster TD, **Waxman S**. Metastatic Cardiac Carcinoid. Tex Heart Inst J 2007;34:132-133.

25. Ishibashi F, Yokoyama S, Miyahara K, Dabreo A, Weiss ER, Iafrati M, Takano M, Okamatsu K, Mizuno K, **Waxman S**. Quantitative Colorimetry of Atherosclerotic Plaque Using the Color Space During Angioscopy For the Detection of Lipid Cores Underneath Thin Fibrous Caps. Int J Cardiovasc Imaging 2007;23(6):679-91

26. **Waxman S**, Khabbaz K, Connolly R, Tang J, Dabreo A, Egerhei L, Ishibashi F, Muller JE, Tearney GM. Intravascular Imaging of Atherosclerotic Human Coronaries in a Porcine Model: A Feasibility Study. Int J Cardiovasc Imaging 2007;24(1):37-44

27. Ishibashi F, Lisauskas J, Kawamura A, **Waxman S**. Topographic association of angioscopic yellow plaques with coronary atherosclerotic plaque: assessment with quantitative colorimetry in human coronary artery autopsy specimens. Int J Cardiovasc Imaging. 2008;24(1):1-5.

28. Ishibashi F, Mizuno K, Kawamura A, Singh PP, Nesto RW, **Waxman S**. High Yellow Color Intensity by Angioscopy with Quantitative Colorimetry to Identify High-Risk Features in Culprit Lesions of Patients with Acute Coronary Syndromes. Am J Cardiol 2007;100:1207-11.

29. Inami S, Ishibashi F, **Waxman S**, Okamatsu K, Seimiya K, Takano M, Uemura R, Sano J, Mizuno K. Multiple yellow plaques assessed by angioscopy with quantitative colorimetry in patients with myocardial infarction. Circulation Journal 2008;72(3):399-403.

30. Al-Husami W, Yturralde F, Mohanty G, Pastore C, Lotun K, Venesy D, **Waxman S**, Pyne C, Gossman D, Nesto RW, Piemonte TC. Single Center Experience with the Use of the Tandem Heart Percutaneous Ventricular Assist Device to Support of Patients Undergoing High-Risk Percutaneous Coronary Intervention. Journal of Invasive Cardiology 2008;20:319-22.

31. Chau AH, Motz JT, Gardecki JA, **Waxman S**, Bouma BE, Tearney GJ. Fingerprint and Highwave number Raman Spectroscopy in a Human-Swine Coronary Xenograft *In Vivo.* Journal of Biomedical Optics 2008 13(4), 040501-040503.

32. Tearney GJ, **Waxman S**, Shishkov M, Vakoc BJ, Suter MJ, Freilich MI, Desjardins AE, Yul Oh W, Bartlett LA, Rosenberg M, Bouma BE. Three-dimensional Coronary Artery Microscopy By Intracoronary Optical Frequency Domain Imaging: First-In-Man Experience. J Am Coll Cardiol 2008;1:752-761

33. Vidi V, Rajesh V, Singh PP, Mukherjee JT, Lago RM, Venesy DM, **Waxman S**, Pyne CT, Piemonte TC, Gossman DE, Nesto RW. Clinical Characteristics of Tako-Tsubo Cardiomyopathy. 2009;105: 578-582

34. **Waxman S,** Dixon SR, L'Allier PL, Moses JW, Petersen JL, Tardif JC, Cutlip DE, Nesto RW, Muller JE, Hendricks MJ, Sum ST, Gardner CM, Goldstein J, Stone GW, Krucoff MW. In Vivo Validation of a Catheter-Based Near-Infrared Spectroscopy System for Detection of Lipid Core Coronary Plaques: Initial Results and Exploratory Analysis of the SPECTroscopic Assessment of Coronary Lipid (SPECTACL) Multicenter Study. 2009;2:858–68

35. Goldberg BD, Vakoc BJ, Oh WY, Suter MJ, **Waxman S**, Freilich MI, Bouma BE, Tearney GJ. Performance of Reduced Bit-Depth Acquisition for Optical Frequency Domain Imaging. Optics Express 2009;17:16957-16968

36. **Waxman S**, Freilich MI, Suter MJ, Shishkov M. Bilazarian S, Virmani R, Bouma BE, Tearney GJ. A case of lipid core plaque progression and rupture at the edge of a coronary stent. Circulation: Cardiovascular Intervent 2010;3:193-196

37. Saltzman AJ, Choi SW, Dabreo A, Baur WE, Weiss E, Nguyen K, Ishibashi F, Celestin FF, Karia DH, Pandian NG, Karas RH, **Waxman S**. Endothelial Progenitor Cells Delivered Into the Pericardial Space Incorporate Into Areas of Ischemic Myocardium. Cardiovasc Revasc Medicine 2010 11(4):241-248

38. Hariri LP, Bouma BE, **Waxman S**, Shiskov M, Vakoc BJ, Suter MJ, Freilich MI, Oh WY, Rosenberg M, Tearney GJ. An automatic image processing algorithm for initiating and terminating intracoronary OFDI pullback. Biomed Opt Express. 2010;1(2):566–573

39. Larsen P, Shah S, Riskalla N, Freilich M, **Waxman S**, Piemonte T, Jeon C, Pyne C. Comparison of procedural times, success rates and safety between left versus right radial arterial access in primary percutaneous coronary intervention for acute ST-segment elevation myocardial infarction. Cathet. Cardiovasc. Intervent. 2011 78(1):38-44

40. Tearney GJ, Regar E, Akasaka T on Behalf of the Writing Committee (**Waxman S** included among 68 authors). Standards for Acquisition, Measurement, and Reporting of Intravascular OCT (IVOCT) Studies: A Consensus Report from The International Working Group for Intravascular OCT Standardization and Validation. J Am Coll Cardiol 2012;59:1058-1072

41. Fleg JL, Stone GW, Fayad ZA, Granada JF, Hatsukami TS, Kolodgie FD, Ohayon J, Pettigrew R, Sabatine MS, Tearney GJ, **Waxman S**, Domanski MJ, Srinivas PR, Narula J. Detection of High-Risk Atherosclerotic Plaque: Current Status and Future Directions. Report of the National Heart, Lung, and Blood Institute Working Group. JACC Cardiovascular Imaging 2012;5:941-55

42. Shah SP, **Waxman S**. Two cases of Bezold-Jarisch reflex induced by intra-arterial nitroglycerin in critical left main coronary artery stenosis. Tex Heart Inst J. 2013;40(4):484-6

43. Shah S, Boyd G, Pyne C, Bilazarian S, Piemonte T, Jeon C, **Waxman S**. Right Heart Catheterization Using Antecubital Venous Access: Feasibility, Safety and Adoption Rate in a Tertiary Center. Cathet. Cardiovasc. Intervent. 2014;84(1):70-4

44. Pyne CT, Gadey G, Jeon C, Piemonte T, **Waxman S**, Resnic F. Effect of Reduction of the Pulse Rates of Fluoroscopy and Cine-acquisition on X-Ray Dose and Angiographic Image Quality during Invasive Cardiovascular Procedures. Circulation: Cardiovascular Interventions 2014;7(4):441-6

45. Waksman R, Kirtane AJ, Torguson R, Cohen DJ, Ryan T, Räber L, Applegate R, **Waxman S**, Gordon P, Kaneshige K. Correlates and outcomes of Late and Very Late Drug-Eluting Stent Thrombosis. Results From DESERT (International Drug-Eluting Stent Event Registry of Thrombosis). JACC Cardiovascular Interventions 2014;7(10):1093-102

46. Gerbaud E, Weisz, G, Tanaka A, Kashiwagi M, Shimizu T, Wang L, Souza C, Bouma BE, Sutter MJ, Shiskov M, Ughi GJ, Halpern EF, Rosenberg M, **Waxman S**, Moses JW, Mintz GS, Maehara A, Tearney GJ. Multi-laboratory inter-institute reproducibility study of IVOCT and IVUS assessments using published consensus documents definitions. Eur Heart J Cardiovasc Imaging. 2016 Jul;17(7):756-64

47. Hansen JW, Ayyoub A, Yager N, **Waxman S**. Congenital Single Coronary Artery: A Rare Anatomic Variant. Cardiovasc Revasc Med. 2017 Apr - May;18(3):212

48. Yager NM, Majithia A, **Waxman S**. Multivessel stent thrombosis with Optical Coherence Tomography (OCT) utilization for therapeutic guidance. Cardiovasc Revasc Med. 2017 Sep;18(6):445-446

49. **Waxman S**. "2:32 am". Ann Intern Med. 2017;167(10):752

50. Shah SR, **Waxman S**, Gaasch WH. The Impact of an Atrial Septal Defect on Hemodynamics in Patients With Heart Failure. *US Cardiology Review* 2017 ;11(2):72–4

51. Yager N, **Waxman S**. Impella Removal with Access Site Salvage. Cathet. Cardiovasc. Intervent. 2018 Jul;92(1):58-60

52. Gerbaud E, Weisz G, Tanaka A, Luu R, Osman HASH, Baldwin G, Coste P, Cognet L, **Waxman S**, Zheng H, Moses JW, Mintz GS, Akasaka T, Maehara A, Tearney GJ. Plaque burden can be assessed using intravascular optical coherence tomography and a dedicated automated processing algorithm: a comparison study with intravascular ultrasound. Eur Heart J Cardiovasc Imaging. 2020 Jun 1;21(6):640-652

53. Kamran H, Batra S, Venesy DM, Patten RD, **Waxman S**, Pyne C, Shah SP. Outcomes of Impella CP Insertion During Cardiac Arrest: A Single Center Experience. Resuscitation. 2020 Feb 1;147:53-56.12.014. Epub 2019 Dec 28

54. **Waxman S**, Garg A, Torre S, Wasty N, Roelke M, Cohen M, Salemi A. Prioritizing Elective Cardiovascular Procedures During the COVID-19 Pandemic: The Cardiovascular Medically-Necessary, Time-Sensitive (MeNTS) Procedure Scorecard. Cathet. Cardiovasc. Intervent. 2020 https://doi.org/10.1002/ccd.29093

55. Heaton J, Okoh AK, Sossou C, Singh S, Sandhu M, Chakrabarti R, Rao R, **Waxman S**, Tayal R, Wasty N. Adverse Events After Left Atrial Appendage Closure: Lessons Learned From The Manufacturer And User Facility Device Experience (MAUDE) Database. J Invasive Cardiol 2020;32(8):E216-E218

56. Vucic E, Chakhtoura E, Sohal S, **Waxman S**. Pathophysiological Concepts of Constrictive Pericarditis in Cardiac Imaging: Back to Basics. Circ Cardiovasc Imaging. 2021;14:e012136. DOI: 10.1161/CIRCIMAGING.120.012136

57. Tayal R, Sohal S, Okoh A, Wasty N, **Waxman S**, Salemi A. Intravascular lithotripsy enabled transfemoral transcatheter aortic valve implantation via percutaneous axillary access approach. Cardiovasc Revasc Med 2020 Dec 17;S1553-8389(20)30804-6

58. Shah AM, Siddiqui E, Cuenca C, Drotar P, Okoh AK, Salemi A, **Waxman S**, Sambol J. Trends in the utilization and reimbursement of coronary revascularization in the United States Medicare population from 2010 to 2018. Catheter Cardiovasc Interv 2021 Mar 24.

59. Garg A, Hakeem H, Chennu G, Saeed Q, Vucic E, Kats Y, **Waxman S**. Left Ventricular Mural Thrombi With Multisystem Thrombosis In Patients With COVID-19 And Myocardial Injury: A Case Series. Eur Heart J Case Rep. 2021 Jun 26;5(6):ytab239.

60. Heaton JN, Dhaduk N, Okoh AK, Dang-Ho KP, Tayal R, Salemi A, **Waxman S**. Characteristics, Management, and Outcomes Among Admissions for Primary Cardiac Tumors: Results from the National Inpatient Sample. Journal of Cardiac Surgery 2021 Jul 27.

61. Heaton JN, Okoh AK, Suh S, Ozturk E, Salemi A, **Waxman S,** Tayal R. Safety and efficacy of the Amplatzer septal occluder: A systematic review and meta-analysis. Cardiovasc Revasc Med. 2022;37:52-60. Epub 2021 Jun 17.

62. Garg A, Farhan S, Rout A, **Waxman S**, Tayal R, Abbott D, Huber K, Rao S. Dual Antiplatelet Therapy after Percutaneous Coronary Intervention using Drug Eluting Stents in High Bleeding Risk Patients: A Systematic Review and Meta-analysis. Am Heart J 2022 Aug;250:1-10.

63. Sohal S, Mathai SV, Nagraj S, Kurpad K, Suthar K, Mehta H, Kaur K, Wasty N, **Waxman S**, Cohen M, Visveswaran GK, Tayal R. Comparison of Suture-Based and Collagen-Based Vascular Closure Devices for Large Bore Arteriotomies—A Meta-Analysis of Bleeding and Vascular Outcomes. *Journal of Cardiovascular Development and Disease* 2022;9(10):331.

64. Brankovic M, Ansari J, Karanam R, **Waxman S**. Transcatheter Aortic Valve Replacement as a Rescue Treatment for Prosthetic Valve Endocarditis. J Am Coll Cardiol Case Rep 2022 2022 Oct, 4 (19) 1306–1310

65. Sohal S, Mehta H, Kurpad K, Mathai SV, Tayal R, Visveswaran GK, Wasty N, **Waxman S**, Cohen M. Declining Trend of Transapical Access for Transcatheter Aortic Valve Replacement in Patients With Aortic Stenosis. J Interv Cardiol 2022 Sep 19;2022:5688026.

66. Sohal S, Khakwani MZ, Sandhu Z, El-Sayed D, Tayal R, **Waxman S**, Wasty N. Coronary Catheter Course Via the Left Radial Approach Is Diametrically Opposed to the Course Via the Femoral Approach – A Stroke Paradox. CJC 2022 Nov 26;5(2):164-166.

67. Sohal S, Tanko FA, Vucic E, **Waxman S**, Gupta S, Fyfe-Kirschner B. Pathological Correlation of a Cardiac Mass with Multimodality Imaging. Case Rep Med. 2023 Apr 18;2023:7352934.

68. Mughal MS, Mirza HM, Bansal A, Weiyi X, Mughal WA, Ahmed S, Yarkoni A, Waqar F, Wasty N, **Waxman S**, Usman H, Alam M, Rehman A. Spontaneous coronary artery dissection (SCAD) and takotsubo cardiomyopathy (TCM) - A potential association. Am Heart J Plus 2023 Nov 24:37:100347

Book Chapters/Reviews:

1. **Waxman S**, Muller J: Risk factors for the acute ischemic event, in Acute Myocardial Infarction and other Acute Ischemic Syndromes, Robert M Califf, volume editor, Atlas of Heart Diseases, Eugene Braunwald, editor-in-chief. Current Medicine, Philadelphia, 1996

2. **Waxman S**, Nesto RW: Exercise in patients with cardiovascular complications, in The Health Professional's Guide to Diabetes and Exercise, Neil Ruderman and John Devlin, editors. American Diabetes Association, 1995, pp. 155-162

3. Eisenberg JD, **Waxman S**, Abela GS. Angioscopy for Interventional Cardiovascular Diagnosis. Diagnostic and Therapeutic Cardiac Catheterization, Third Edition. CJ Pepine, editor. William & Wilkins, Baltimore MD, Chapter 19, 326, 1998

4. **Waxman S**. Characterization of the culprit lesion by angiography, angioscopy, and intravascular ultrasound. In: Unstable Angina, Marschall Runge and Barry Uretsky, editors. Cardiology Clinics 1999;17:295-305

5. **Waxman S**, Muller J: Risk factors for the acute ischemic event, in Acute Myocardial Infarction and other Acute Ischemic Syndromes, Robert M Califf, volume editor, Atlas of Heart Diseases, 2nd edition. Eugene Braunwald, series editor. Current Medicine, Philadelphia, 2001;21-35

6. **Waxman S**. Percutaneous Intrapericardial Drug Delivery for Myocardial Angiogenesis. In Percutaneous Transluminal Endomyocardial Revascularization: Practical and Theoretical Approaches, George S. Abela, editor. J. Wiley and Sons, Inc, NY, 2002, chapter 17:237-247

7. **Waxman S**. Intracoronary Angioscopy to Detect Vulnerable Plaques: A Technique whose Time has Come? From: Assessing and Modifying the Vulnerable Atherosclerotic Plaque. Valentin Fuster, editor. Futura Publishing Co., Armonk, NY, April 2002. Chapter 7

8. **Waxman S**, Nesto RW: Cardiovascular complications. In: Ruderman N, Devlin JT, Schneider SH, Kriska A, eds. Handbook of Exercise in Diabetes. Alexandria , VA. American Diabetes Association;

2002: 415-431

9. Saltzman A, **Waxman S**. Angioscopy and Ischemic Heart Disease. Curr Opin Cardiol. 2002 Nov;17(6):633-637 10. Naghavi M, Libby P, Falk E, Casscells SW, Litovsky S, Rumberger J, Badimon JJ, Stefanadis C, Moreno P, Pasterkamp G, Fayad Z, Stone PH, **Waxman S**, et al. From Vulnerable plaque to Vulnerable Patient. A call for new definitions and Risk Assessment Strategies: Part I. Circulation 2003;108:1664-1672

11. Naghavi M, Libby P, Falk E, Casscells SW, Litovsky S, Rumberger J, Badimon JJ, Stefanadis C, Moreno P, Pasterkamp G, Fayad Z, Stone PH, **Waxman S**, et al. From Vulnerable plaque to Vulnerable Patient. A call for new definitions and Risk Assessment Strategies: Part II. Circulation 2003;108:1772-1778

12. Weiner B, Fischer T, **Waxman S**. Hemostasis in the era of the chronic anticoagulated patient. J Invas Cardiol 2003;15:669-674

13. Ishibashi F, Aziz K, Abela GS, **Waxman S**. Update on coronary angioscopy: Review of a 20 year experience and potential application for detection of vulnerable plaque. J Interv Cardiol. 2006 Feb;19(1):17-25

14. Caplan J, **Waxman S**, Nesto RW, Muller JE. Near-Infrared Spectroscopy for the Detection of Vulnerable Coronary Artery Plaques. J Am Coll Cardiol 2006 47:C-92-C-96

15. **Waxman S**, Ishibashi F, Muller JE. Detection and Treatment of Vulnerable Plaques and Vulnerable Patients: Novel Approaches to Prevention of Coronary Events. Circulation 2006;114: 2390-2411

16. **Waxman S**, Ishibashi F, Caplan J. Rationale and Use of Near-Infrared Spectroscopy for Detection of Lipid-Rich and Vulnerable Plaques. Journal of Nuclear Cardiology 2007;14:719-728

17. **Waxman S.** Near-InfraRed Spectroscopy for Plaque Characterization. J Interven Cardiol 2008;21:452-458

18. Vidi V, **Waxman S**. Intrapericardial Approach for Pan Coronary Stabilization of Coronary Arteries and Vulnerable Myocardium. In "Textbook of Subclinical Atherosclerosis: Detection, Treatment, and Monitoring of Asymptomatic Individuals Susceptible to Atherosclerosis and Vulnerable to Cardiovascular Events", Morteza Naghavi, editor. Humana Press-Springer, New York, NY 2009.Chapter 52, 671-685

19. Larsen P, **Waxman S**. Intracoronary Thermography – Utility to detect vulnerable and culprit plaques in patients with Coronary Artery Disease. Current Cardiovascular Imaging Reports 2009;2:300-306

20. Garg R**, Waxman S**. Catheter-based Near-Infrared Spectroscopy for Imaging of Lipid-Rich Plaques. Current Cardiovascular Imaging Reports 2010;3:403–411

21. Garg A, **Waxman S**. Heparins – Unfractionated and Low Molecular Weight. American College of Cardiology CathSAP 2020 Module 14.3

22. Sohal S, Vasundara Mathal S, Lipat K, Kaur A, Visveswaran G, Cohen M, **Waxman S**, Tiwari N, Vucic E. Multimodality Imaging of Constrictive Pericarditis: Pathophysiology and New Concepts. Current Cardiology Reports 2022;24(10):1439-1453

Patents:
1. **Waxman S**, Verrier RL, inventors. A method for transvenously accessing the pericardial space via the right auricle. U.S. Patent No. 5,968,010. Issued 10/19,1999.

2. Verrier RL, **Waxman S**, inventors. Method and kit for transvenously accessing the pericardial space via the right atrium. U.S. Patent No. 6,200,303. Issued 3/13/2001.

3. **Waxman S**, Ishibashi F. Methods for detection of vulnerable plaque with quantitative colorimetry during angioscopy. U.S. Patent No. 8,774,905. Issued 7/8/2014.

Thesis:
Waxman S. Factores pronósticos de la respuesta a tratamiento en absceso hepático amibiano: Un análisis de regresión ("Prognostic factors in the response to treatment in hepatic amoebic abscess: A regression analysis"). Universidad Anáhuac, Escuela de Medicina, México, D.F., 1989.

Abstracts:
1. Nesto RW, Zarich SW, Freeman R, Kowalker W, **Waxman S**, Hegarty P, Broadbridge C. Ambulant ischemia in diabetics with coronary artery disease: Does autonomic nervous system dysfunction affect time of onset of ischemia? Circulation 1991;84:Suppl II:727

2. **Waxman S**, Zarich S, Freeman RT, Mittleman M, Hegarty P, Nesto RW. Absence of a morning peak of ambulatory ischemia in diabetic patients is related to autonomic dysfunction. JACC Feb 1994:319A

3. **Waxman S**, Sassower M, Zarich S, Miyamoto A, Manzo KS, Abela G, Mittleman M, Nesto RW. Angioscopy can identify lesion-specific predictors of early adverse outcome following PTCA in patients with unstable angina. Circulation 1994; 90 (part II):I-490

4. **Waxman S**, Mittleman MA, Manzo K, Sassower M, Nesto RW. Culprit lesion morphology in subtypes of unstable angina as assessed by angioscopy. Circulation 1995;92:I-79

5. **Waxman S**, Sassower M, Mittleman MA, Nesto RW. Characterization of the culprit lesion underlying thrombus: insight from angioscopy. Circulation 1995;92:I-353

6. **Waxman S**, Mittleman MA, Sassower M, Kowalker W, Nesto RW. Can angioscopy predict initial procedural success of PTCA in acute coronary syndromes? Circulation 1995;92:I-785

7. Mittleman MA, Meigs JB, **Waxman S**, Singer DE, Sutherland P, Matheney T, Lipinska I, Stec JJ, Muller JE, Nathan DM, Wilson PWF, Tofler GH. Impaired glucose tolerance and hemostasis: The Framingham Offspring Study. Circulation 1996;93:624

8. **Waxman S**, Zarich SW, Mittleman MA, Fitzpatrick PJ, Leeman DE, Lewis SM, Shubrooks SJ, Nesto RW. Predictive value of angiography to assess plaque morphology: In vivo comparison with angioscopy. Circulation 1996;94:I-438

9. Verrier R, Lovett EG, **Waxman S**. Relief of pericardial effusion and tamponade by a new method for transvenous access into the pericardial space via the right atrial appendage. Circulation 1997;96:I-30

10. Moran MD, Leeman DE, Lewis SM, Fitzpatrick PJ, Nesto RW, **Waxman S**, Shubrooks SJ. Is surgical standby required for coronary interventions in the stent era? Circulation 1997;96:I-149

11. **Waxman S**, Lovett EG, Verrier RL. New technique for rapid, safe transvenous access into the pericardial space: A novel approach for local cardiac drug delivery

12. Feldman CL, **Waxman S**, Ilegbusi OJ, Hu Z, Cyganski D, Kilian J, Nesto RW, Stone PH. Determination of flow field patterns and shear stress on endothelium in human coronary arteries in vivo. Circulation 1998;17:I-296

13. **Waxman S**, Moreno R, Rowe K, Verrier RL. Transatrial pericardial delivery of nitroglycerin to induce sustained coronary vasodilation as assessed by intravascular ultrasound. Circulation 1998;17:I-404

14. **Waxman S**, Pulerwitz T, Quist W, Rowe K, Verrier RL. Preclinical safety testing of percutaneous transatrial access to the normal pericardial space for local cardiac drug delivery. PACE 1999;22:II-848

15. Moreno R, **Waxman S**, Rowe K, Verrier RL. Intrapericardial beta-adrenergic blockade exerts a potent anti-tachycardic effect without depressing contractility. PACE 1999;22:II-810

16. Pulerwitz TC, **Waxman S**, Rowe KA, Quist WC, Lipinska I, Verrier RL. Preclinical safety of transatrial access to the normal pericardial space for local cardiac drug delivery during aspirin use and pulmonary hypertension. J Am Coll Cardiol 2000; 35 (Suppl 1):79A

17. Kumar K, **Waxman S**, Wellenius GA, Khanh N, Nearing BD, Verrier RL. Percutaneous nitroglycerin administration into the intact pericardial space suppresses ischemia-induced ventricular arrhythmias in closed-chest pigs. PACE 2000;23:730

18. Wang FW, Stouffer G, Waxman S, Uretsky BF. Late stent thrombosis in non-brachytherapy patients. Cathet. Cardiovasc. Intervent. 2000;50:PO52

19. Uretsky BF, Brizolara A, Sarda R, Tocchi M, Rosanio S, Stouffer G, **Waxman S**, Wang FW,

Chamoun A, Kondapaka R, Phillips J. Physician-driven use of prophylactic vs rescue abciximab in percutaneous coronary interventions: Short and long-term outcomes. Cathet. Cardiovasc. Intervent. 2000;50:PO53

20. Brizolara A, deFilippi C, Lindley T, Wang FW, Stouffer G, **Waxman S**, Uretsky BF. Myoglobin is a sensitive , specific and early marker for myocardial necrosis after percutaneous coronary intervention.Cathet. Cardiovasc. Intervent. 2000;50:PO55

21. Coleman CL, Warthen LM, Norfleet AM, Yang J, Sriram V, Medford DJ, Stouffer GA, **Waxman S**, Carney DH. Systemic Injection of Thrombin Peptide TP508 Mitigates Angioplasty-related Restenosis in Hypercholesterolemic Rabbit Iliac Arteries. FASEB 2001: abstract LB14

22. **Waxman S**, Sriram V, Ashitkov TV, Hu Z, Medford DJ, Boor PJ, Demcheva M, Vournakis JN. Safety of poly-N-acetylglucosamine in the pericardial space: A novel vehicle for local cardiac drug delivery. Circulation 2001;104:II-729

23. Otero FJ, Parks A, **Waxman S**, Wadhwa N, Wang FW, Anzuini A, Stouffer G, Osman A, Afzal A, Uretsky BF. Impact of an ischemic preconditioning protocol prior to stenting on periprocedural release of biochemical markers of myocardial necrosis. Cathet. Cardiovasc. Intervent. 2002;56:132

24. Wang FW, Osman A, Otero J, Stouffer GA, **Waxman S**, Afzal A, Anzuini A, Uretsky BF. Intracoronary beta blocker protects the distal myocardium during percutaneous coronary intervention.

25. Wang FW, Osman A, Otero J, Stouffer GA, **Waxman S**, Afzal A, Anzuini A, Uretsky BF. Distal Myocardial protection with intracoronary propranolol during percutaneous coronary interventions is widely applicable.

26. Choi S, Dabreo A, Gray J, Saltzman A, Gossnell M, Senseney-Mellor H, **Waxman S**. Preclinical feasibility and acute safety of a transverse cavitation ultrasonic guidewire for intracoronary ablation of thrombus. Cathet. Cardiovasc. Intervent. 2003;59:135

27. Saltzman AJ, Choi SW, Dabreo A, Baur WE, Celestin FF, Karia DH, Hong KS, Pandian NG, Karas RH, **Waxman S**. Endothelial progenitor cells delivered into the pericardial space incorporate into areas of ischemic myocardium. Circulation 2003;108:IV-128

28. Uretsky BF, Wang FW, Osman A, Anzuini A, Otero J, Stouffer GA, **Waxman S**, Afzal A, Patel P, Virekananthan K. One year follow-up from the Randomized Angioplasty Beta Blocker Given Intracoronary Trial (RABBIT). Circulation 2003;108:IV-457

29. **Waxman S**, Khabbaz KR, Connolly RJ, Tang J, Dabreo A, Egerhei L, Muller JE, Tearney GJ. An animal model for in vivo imaging of human coronaries: A new tool to evaluate emerging technologies to detect vulnerable plaques.

30. Choi S, Saltzman AJ, Dabreo A, Salomon RN, Gray JJ, Gossnell M, Senseney-Mellor H, **Waxman S** Long-Term Outcomes of a Transverse Ultrasonic Intracoronary Guidewire for Thrombus Ablation in the Porcine Model. Cathet. Cardiovasc. Intervent. 2004;62:121

31. **Waxman S**. New challenges in percutaneous coronary intervention. Circulation Journal 2004;68: Suppl. I-134

32. **Waxman S**, Tang J, Marshik BJ, Tan H, Khabbaz KR, Connolly RJ, Dunn TA, Zuluaga AF, DeJesus S, Caplan JD, Muller JE In Vivo Detection of a Coronary Artificial Target with a Near Infrared Spectroscopy Catheter. Am J Cardiol 2004;94(Suppl 6A):141E

33. Ishibashi F, Mizuno K, Weiss ER, Dabreo A, **Waxman S**. Quantitative Colorimetry of Coronary Plaques Using L*A*B* Color Space During Angioscopy for the Detection of Vulnerable Plaques. Cathet. Cardiovasc Intervent. 2005;65:145

34. Ishibashi F, Mizuno K, Weiss ER, Dabreo A, **Waxman S**. Quantitative Colorimetry of Coronary Plaques in Myocardial Infarction and Stable Angina: Implication for Plaque Colorimetry to identify Vulnerable Plaques. Cathet. Cardiovasc Intervent. 2005;65:123

35. Uretsky BF, Anzuini A, Osman A, Schwarz A, Pohwani AL, Stouffer GA, **Waxman S**, Kumar Y, Akhtar A, Wang FW. Can CKMB Elevation after Successful Coronary Intervention (PCI) be Predicted prior to PCI Termination? Cathet. Cardiovasc Intervent. 2005;65:140

36. Ishibashi F, Mizuno K, Nesto RW, **Waxman S**. High Yellow Color Intensity of the Culprit Lesion Assessed by Quantitative Colorimetry is Associated with High Risk Features in Patients with Acute Coronary Syndromes. Circulation 2005;112:II-617.

37. Ishibashi F, Mizuno K, Kawamura A, Singh PP, Nesto RW, **Waxman S**. Frequency of Non-culprit Thin-cap Lipid Cores in Myocardial Infarction and Stable Angina. Cathet. Cardiovasc Intervent. 2006;67:736.

38. Kawamura A, Lombardi D, Riskalla N, Gossman DE, Piemonte TC, Pyne C, **Waxman S**, Ishibashi F, Nesto RW. Stroke Complicating Percutaneous Coronary Intervention (PCI) for Acute Coronary Syndromes. Cathet. Cardiovasc Intervent. 2006;67:750.

39. Kawamura A, **Waxman S**, Riskalla N, Piemonte TC, Pyne CT, Ishibashi F, Nesto RW, Gossman DE. Incidence of Bleeding Complications Among Contemporary Anticoagulation Regimens for PCI: A Single Center Experience. Cathet. Cardiovasc Intervent. 2006;67:800.

40. **Waxman S**, L'Allier P, Tardif JC, Goldstein J, Ishibashi F, Caplan JD, Muller JE, Nesto RW. Scanning Near-InfraRed (NIR) Spectroscopy of Coronary Arteries for Detection of Lipid-Rich Plaque in Patients Undergoing PCI- Early Results of the SPECTACL Study. Circulation 2006;114:II- 647.

41. Motz JT, Puppels GJ, **Waxman S**, Bakker Schut TC, Marple E, Green N, Nazemi J, Chau AH, Gardecki JA, Brennan JF, Tearney GJ. Percutaneous Intracoronary Raman Spectroscopy. Cardiovasc Revasc Medicine 2007;8(2):127.

42. Ishibashi F, Kawamura A, Nesto RW, **Waxman S**. Impact of Diabetes Mellitus on High-risk Features of Culprit Lesions in Patients with Acute Coronary Syndromes. Cathet. Cardiovasc Intervent. 2007;69:C26.

43. **Waxman S**, L'Allier P, Goldstein J, Krucoff MW, Tardif JC, Dixon S, et al. Detection of Lipid Rich Plaque by Near InfraRed Spectroscopy (NIRS) in Patients Undergoing Coronary Intervention: Results in an Unblinded Cohort of The SPECTroscopic Assessment of Coronary Lipid (SPECTACL) Study. Am J Cardiol 2007;100 (Suppl. 1):231L.

44. **Waxman S,** .Farha D, Riskalla NS, Ishibashi F, Gossman DE, Pyne CT, Nesto RW, Piemonte TC. In-hospital Mortality Of Compassionate-use Percutaneous Coronary Intervention (PCI): A Single Center Experience And Implications For The Public Reporting Of Physician-specific PCI Outcomes.

45. Motz JT, Nazemi J, **Waxman S**, Houser SL, Gardecki JA, Chau AH, Bouma BE, Brennan JF, Tearney GJ. Intracoronary Raman Diagnostics in a Human-to-Porcine Xenograft Model.

46. Ishibashi F, Lisauskas J, Meese T, **Waxman S**. Quantitative Colorimetry of Coronary Thin Cap Fibroatheroma in Human Autopsy Specimens. JACC Cardiovascular Interventions 2008;1 (Supplement B):B26.

47. Dixon SR, L'Allier P, Moses JW, Petersen JL, Cutlip DE, Grines CL, Weisz G, Hendricks MJ, Sum ST, Muller JE, Krucoff MW, Tardif JC, **Waxman S**, Stone GW, Goldstein JA. Near-Infrared Spectroscopic Measurement of Lipid-Core Coronary Plaque Length: Implications for Complete Lesion Coverage in Patients Undergoing Stenting.

48. Petersen JL, Weisz G, Dixon SR, L'Allier PL, Moses JW, Cutlip DE, Madden SP, Hendricks MJ, Sum ST, Muller JE, Tardif JC, **Waxman S**, Stone GW, Goldstein JA, Krucoff M. Relationship of the Near Infrared Lipid Core Burden Index in Coronary Segments with Traditional Risk Factors in Patients Undergoing PCI.

49. L'Allier PL, Tardif JC, Dixon SR, Moses JW, Petersen JL, Weisz G, Cutlip DE, Krucoff M, Muller JE, Hendricks MJ, Sum ST, Stone GW, Goldstein JA, **Waxman S**. Frequency Of Lipid Core Plaque As Determined By Near-Infrared Spectroscopy At Target Lesion Sites In Patients Undergoing PCI

50. Goldstein JA, Dixon SR, L'Allier PL, Moses JW, Petersen JL, Cutlip DE, Weisz G, Safian RD, Hendricks MJ, Sum ST, Muller JE, Krucoff M, Tardif JC, **Waxman S,** Stone GW. Near-Infrared Spectroscopic Detection Of Lipid-Core Coronary Plaques Remote From The Target Lesion In Patients Undergoing PCI.

51. Pyne CT, Larsen P, Jeon C, **Waxman S**, Piemonte T, Shah S. Left versus right radial access provide rapid and equivalent procedure times for primary PCI in STEMI.

52. Kahan DJ, LarsenPJ, Riskalla NS, Piemonte TC, **Waxman S**, Pyne CT. Lower Transfusion Rates Following Percutaneous Coronary Intervention via the Radial Approach: A four Year, Single-Center Experience. Circulation 2010;22:A15750.

53. Iqtidar FA, Riskalla N, Pyne CT, Kahan DJ, Bell BP, Jeon C, Piemonte TC, **Waxman S.** Increasing Adoption Rates of the Transradial Approach for Coronary Interventions in a Tertiary Center: A Mirror into Future National Trends? Cathet. Cardiovasc. Intervent. 2011;77(S1).

54. Waksman R, Torguson R, Kaneshige K, Kirtane A, Ryan T, Räber L, Applegate R, **Waxman S**, Cohen D, Gordon P. Drug-Eluting Stent Event Registry of Thrombosis (DESERT): The International Drug-Eluting Stent Thrombosis Registry, Angiographic Assessment. Suppl B TCT-621.

55. Waksman R, Torguson R, Kaneshige K, Kirtane A, Ryan T, Räber L, Applegate R, **Waxman S**, Cohen D, Gordon P. Drug-Eluting Stent Event Registry of Thrombosis (DESERT): The International Drug-Eluting Stent Thrombosis Registry. Circulation 2012;126 (Issue Suppl. 21):A16453

56. Shah S, Boyd G, Pyne C, Bilazarian S, Piemonte T, Jeon C, **Waxman S**. Right Heart Catheterization Using Antecubital Venous Access: Feasibility, Safety and Adoption Rate in a Tertiary Center. Cathet. Cardiovasc. Intervent. 2013;81: Suppl. S1:D-044.

57. Gadey G, Resnic F, Jeon C, **Waxman S**, Piemonte T, Riskalla N, Pyne C. Significant reduction in total radiation dose during coronary procedures by default reduction in the digital pulse fluoroscopy and cinefluorography rates. Cathet. Cardiovasc. Intervent. 2013;81: Suppl. S1:C-041.

58. Gadey G, Resnic F, Piemonte T, **Waxman S**, Jeon C, Pyne C. Impact on Angiographic Image Quality of a Decrease in Default Laboratory Pulse Rates for Fluoroscopy and Cineangiography During Coronary Procedures.

59. Waksman R, Kirtane AJ, Torguson R, Cohen DJ, Ryan T, Räber L, Applegate R, **Waxman S**, Gordon P, Kaneshige K, Leon MB, DESERT Investigators. Correlates and Outcomes of Late and Very Late Drug-Eluting Stent Thrombosis.

60. Batra S, Ramamurthi A, **Waxman S**, Shah S. Acute Massive Pulmonary Embolus Complicated by Refractory Cardiogenic Shock: What is the Optimal Right Ventricular Support Device?

61. Nnaoma C, Chika-nwosuh O, Waxman S. An Impending Fatality: A case of Asymptomatic Aortic Dissection. Arteriosclerosis, Thrombosis, and Vascular Biology. 2019;39:A643

62. Singh S, Okoh A, Sossou C, Heaton J, Sandhu M, Chakrabarti R, Rao R, Tayal R, Wasty N,

Waxman S. Adverse Events After Left Atrial Appendage Closure: Lessons Learned From the Manufacturer and User Facility Device Experience (MAUDE) Database. J Am Coll Cardiol. 2019 Oct, 74 (13 Supplement) B113.

63. Okoh A, Thawabi M, Al Obaidi N, Fugar S, Singh S, Gold J, **Waxman S**, Tayal R, Wasty N. Use of a Percutaneous Temporary Mechanical Circulatory Support as a Bridge to Decision in Advanced Heart Failure Patients Listed for Heart Transplantation.

64. Singh S, Okoh AK, Mehta H, Sandhu M, Singh V, Rajmeet M, Dobesh D, Cohen M, **Waxman S**. Left Atrial Appendage Closure in Patients with End-Stage Chronic kidney Disease: Expereince with 156 Consecutive Cases at a Single Center. Circulation. 2019;140 (Issue Suppl. 1)

65. Sing S, Okoh AK, Khakwani Z, Hakeem H, Pilani H, Grewal J, Visveswaran G, Divita M, Agarwal S, **Waxman S**, Cohen M. Impact of Race on Clinical Outcomes After Stent Revascularization for High-Grade Renal Artery Stenosis: A Single-Center Experience.

66. Okoh AK, Singh S, Obaidi N, Haik B, Chen C, Cohen M, **Waxman S**, Agarwal S, Russo M. Renin- Angiotensin-Aldosterone System Inhibitors Are Associated with Reno-Protective Effects in Aging Patients Undergoing Transcatheter Aortic Valve Replacement.

67. Hakeem H, Kakish O, Khakwani M, Singh S, Kazmi A, **Waxman S**, Verma R, Cohen M, Visveswaran GK. Multiple Open-Heart Surgeries, A Debilitating Stroke and Resting Hypoxemia in an Adult with Bubbles in the Left Atrium on Echocardiography.

68. Siddiqui E, Shah A, Dhaduk N, Okoh A, **Waxman S**. Understanding Trends in Medicare Reimbursement for cardiovascular Procedures.

69. Mehta H, Okoh AK, Singh S, Kurpad KP, Deol HS, Salemi A, **Waxman S**. Non-home discharge after Percutaneous Coronary Intervention for NSTEMI in nonagenarians. Catheter Cardiovasc Interv, 2020, Abstract. 95: S1-S229. doi:10.1002/ccd.28864

70. Mehta H, Okoh AK, Singh S, Kurpad KP, Mangat GV, Salemi A, **Waxman S**. Percutaneous Coronary Interventions in Octogenarians with Chronic Total Occlusions. Catheter Cardiovasc Interv, 2020, Abstract. 95: S1-S229.

64. Garg A, Chennu G, Rout A, Vijaykumar S, DiVita M, Hawatmeh A, **Waxman S**, Cohen M, Shao J. Outcomes of Chocolate Balloon Angioplasty as an Adjunctive Therapy in Critical Limb Ischemia patients: A Single Center Experience. Catheter Cardiovasc Interv, 2020, Abstract. 95: S1-S229.

65. Shah AM, Siddiqui E, Okoh AK, Singh S, Salemi A, **Waxman S**. Trends in the Utilization of Coronary Revascularization in the United States Medicare Population. Catheter Cardiovasc Interv, 2020, Abstract. 95: S1-S229. doi:10.1002/ccd.28864

66. Mehta H, Okoh AK, Singh S, Kurpad KP, Samreen I, Amin S, Bhatti H, **Waxman S**, Salemi A. Utility of Transcatheter Aortic Valve Replacement in Morbidly Obese Patients: A National Perspective. Catheter Cardiovasc Interv, 2020, Abstract. 95: S1-S229.

67. Garg A, Rout A, Sargsyan D, Sharma A, **Waxman S**, Cohen M, Kostis JB, Rao SV. Safety and Efficacy of Antiplatelet Regimens after Percutaneous Coronary Intervention using Drug Eluting Stents: A Network Meta-analysis of Randomized Controlled Trials. Catheter Cardiovasc Interv, 2020, Abstract. 95: S1-S229.

68. Siddiqui E, Shah A, Okoh AK, Singh S, **Waxman S**, Salemi A. Utilization of Aortic Valve Replacement in the United States Medicare Population and its Impact on Reimbursement. Catheter Cardiovasc Interv, 2020, Abstract. 95: S1-S229.

69. Shehata A, Patel I, Samreen I, Singh S, **Waxman S**, Cohen M, Patel S. Impact of Health Questionnaires as a Behavioral Modifier in Obese Patients: A Prospective Analysis. Circulation: Cardiovascular Quality and Outcomes 2020;13:A363

70. Sohal S, Madan N, Kalra D, **Waxman S**. Novel Anticoagulants or Vitamin K Antagonists for Left Ventricular Thrombus: A Meta-Analysis of Embolization Outcomes. J Am Coll Cardiol. 2021 May, 77

71. Heaton J, Okoh A, Dhaduk N, Dang-Ho KP, Tayal R, Salemi A, **Waxman S**. Temporal Trends in patient Characteristics, management, and Outcomes Among Patients Admitted for Primary Cardiac Tumors: Results from the national Inpatient Sample.. 2021 May, 77

72. Mughal M, **Waxman S**, Kaur I, Xia W, Khakwani Z, Ghani AR, Akbar H, Ahmad K, Ullah W, Hafeez H, Saleem M, Tawfik, I Usman M, Waqar F, Alam M. Regional and temporal variations in the incidence of spontaneous coronary artery dissection: insights from the national inpatient sample. European Society of Cardiology Congress 2021

73. Mughal M, Kaur I, **Waxman S**, Gandhi H, Kakadia M, Khakwani Z, Okoh A, Shah K, Obaid A, Sirpal V, Azad S, Jaffery A, Jagdey H, Tawfik I, Alam M. Clinical outcomes in COVID-19 patients with in-hospital cardiac arrest - an insight from multi-centre data. European Society of Cardiology Congress 2021

74. Mughal M, **Waxman S**, Kaur, I Xia W, Khakwani Z, Akbar H, Mirza H, Ali Raza Z, Nasir A, Ijaz SH, Ijaz S, Alam M, Jamal S, Ghani AR, Usman H, Virk HUH. Odds of inpatient hospital mortality in spontaneous coronary artery dissection (SCAD). European Society of Cardiology Congress 2021

75. Mughal M, **Waxman S**, Kaur I, Khakwani Z, Gandhi H, Shah K, Aslam S, Ali Raza Z, Jagdey HS, Kumar S, Ghani AR, Nasir A, Tawfik I, Alam M, Mikhalkova D. Increasing premature mortality in males due to heart failure in the United States from 2010-2018: insight from Wide- Ranging Online Data for Epidemiologic Research (WONDER) database. European Society of Cardiology Congress 2021

76. Mughal MS, Ahmad T, Madjid M, Ghani A, Khakwani Z, Grewal J, Ahmad K, Alam M, Wasty N, **Waxman S.** Mortality Trends In The United States Due To Underlying Rheumatic Heart Disease From 1999-2018. Circulation. 2021

77. Mughal MS, Ghani AR, Kumar S, Nasir A, Hafeez H, Grewal J, Khakwani Z, Alam M, Wasty N, **Waxman S**. Is Pulmonary Hypertension A Poor Prognostic Sign In Patients Hospitalized For Transcatheter Aortic Valve Replacement. Circulation. 2021;144:A13606

78. Mughal MS, Nasir A, Ghani AR, Mirza H, Hafeez H, Alam M, Khakwani Z, Usman MH, Wasty N, **Waxman S**. Mortality Trends And Regional Variations Of Aortic Aneurysm And Dissection In The United States. Circulation. 2021;144:A13615

79. Mughal MS, Kaur IP, Mozafferro N, Gandhi H, Greenberg P, Khakwani Z, Shah A, Levitt H, **Waxman S**. Tachyarrhythmias In Covid-19 Patients Admitted To The Intensive Care Unit. Circulation. 2021;144:A13693

80. Prasad Kurpad K, Sohal S, Mehta H, Vasundara Mathai S, Hawthorne KA, Montgomery M, Kapoor S, **Waxman S**. Outcomes of Durable Left Ventricular Assist Device Implantation in Patients With End Stage Renal Diseases- Latest Outcomes From Nationwide Inpatient Sample (2015-2018).

81. Sohal S, Prasad Kurpad K, Nagraj S, Vasundara Mathai S, **Waxman S.** Anticoagulation for Left Ventricular Thrombus: An Updated Meta-Analysis of Stroke or Systemic Embolization Outcomes.

82. Sohal S. Mehta H, Kurpad K, Tayal R. Visveswaran G, Wasty N, **Waxman S**, Cohen M. Declining Trend of Transapical Access For Transcatheter Aortic Valve Replacement In Patients With Aortic Stenosis: An Analysis of National Inpatient Sample From 2011-17.

83. Khakwani M, Sohal S, Barvalia M, Samreen I, Tayal R, **Waxman S**, Wasty N. Is The Coverage Area Of The Second Generation Transcatheter Aortic Vlave Replacement Embolic Protection Devices Too Generous?

84. Mughal M, Akbar H. Mirza H, Xia W. Ghani A. Grewal J, Kumar S, Ahmad M, Raza M, Khakwani M, Alam M, **Waxman S**, Waqar F.,Wasty N, Levitt H, Usman M. Inpatient Hospital Mortality In Spontaneous Coronary Dissection (SCAD).

85. Mughal M, Saleem M, Mirza H, Xia W, Ghani A, Akbar H, Mughal W, Nasir A, Kumar S, Raza A, Alam M, Usman M, Wasty N, Levitt H, **Waxman S**, Master J, Waqar F. Regional And Temporal Variations In The Incidence Of Spontaneous Coronary Dissection (SCAD): Insights From The National Inpatient Sample.

86. Mughal M, Xia W, Mirza H, Jagdey H, Ghani A, Khakwani M, Akbar H, Hafeez H, Raza M, Levitt H, Waqar F, Wasty N, Usman M, Alam M, **Waxman S**. Inpatient Hospital Mortality In Takotsubo Cardiomyopathy (TCM): Insights From The National Inpatient Sample.

87. Mugha M, Ghani A, Kumar S, Mirza H, Levitt H, **Waxman S**, Khakwani M, Grewal J, Raza M, Usman M, Nasir A, Alam M, Mikhalkova D. Premature Mortality In Males Due To Heart Failure In The United States From 2010-2018.

88. Sohal S, Aroke D, Cohen M, Visveswaran G, **Waxman S**. Effect of Low Versus High Mitral valve Gradient on Outcomes of Functional and degenerative Mitral Valve Disease Post Transcatheter Edge to Edge Repair

89. Chennu G, Girgis K, Khandait HV, Divita M, **Waxman S,** Visveswaran G, Cohen M. Comparison of short term clinical response using National Early Warning Score in patients presenting with submassive pulmonary embolism treated with catheter directed thrombolysis in addition to systemic anticoagulation vs. those treated with systemic anticoagulation alone. Accepted for presentation: PERT 2023

90. Lee D, Girgis KG, DeLorenzo J, Neuwirth M, Salemi A, Waxman S. Incongruence of Antiplatelet Therapy (APT) with Bleeding Risk in Patients After Transcatheter Aortic Valve Replacement (TAVR) is Associated with Higher Bleeding. Accepted for presentation CRT 2024