

CURRICULUM VITAE

Paul Joseph Pearson MD, PhD

Chief, Professor
Department of Surgery
Division of Cardiothoracic

OFFICE ADDRESS:

Froedtert East Clinics
9200 W Wisconsin Ave
Milwaukee, WI 53226

EDUCATION:

1980 - 1984 B.S., Wheaton College, Wheaton, IL
1984 - 1991 M.D., Mayo Medical School, Rochester, MN
1984 - 1991 Ph.D., Mayo Graduate School of Medicine, Rochester, MN

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

1991 - 1992 Postdoctoral Fellow, Physiology and Section of Cardiovascular Surgery, Mayo Clinic, Rochester, MN
1992 - 1993 Internship, Surgery, Virginia Mason Hospital, Seattle, WA
1993 - 1995 Resident, Surgery, Virginia Mason Hospital, Seattle, WA
1995 - 1996 Chief Resident, Surgery, Virginia Mason Hospital, Seattle, WA
1998 - 1999 Chief Resident, Surgery, Thoracic and Cardiovascular Surgery, Mayo Clinic, Rochester, MN

FACULTY APPOINTMENTS:

03/2017 - Present Professor of Surgery, Surgery, Cardiothoracic Surgery, Medical College of Wisconsin, 9200 W Wisconsin Ave, Milwaukee, WI 53226

ADMINISTRATIVE APPOINTMENTS:

07/2011 - 03/2017 Chief, Surgery, Cardiothoracic Surgery, NorthShore University HealthSystems, 2650 Ridge Ave., Evanston, IL 60201
03/2017 - Present Chief, Surgery, Cardiothoracic Surgery, Froedtert & Medical College of WI, 9200 W Wisconsin Ave, Milwaukee, 53226
06/18/2019 - Present Ambulatory Medical Director, Surgery, Froedtert & Medical College of Wisconsin, 9200 W Wisconsin Ave, Milwaukee, WI 53226

HOSPITAL STAFF PRIVILEGES:

07/1999 - 05/2001 Surgery, Cardiothoracic Surgery, HSHS St. Vincent Hospital, 835 S. Van Buren, Green Bay, WI 54307
05/2001 - 05/2003 Surgery, Cardiothoracic Surgery, Michigan Heart & Vascular Institute, 5325 Elliott Dr, Ann Arbor, MI 48106
05/2003 - 02/2007 Surgery, Cardiothoracic Surgery, Marshfield Clinic, 1000 N. Oak St., Marshfield, WI 54449
02/2007 - 05/2010 Surgery, Cardiothoracic Surgery, HSHS St. Vincent Hospital, 835 S. Van Buren, Green Bay, WI 54307
05/2010 - 07/2011 Surgery, Cardiothoracic Surgery, HealthEast St. Joseph's Hospital, 45 W 10th St., St. Paul, MN 55102
07/2011 - 03/2017 Surgery, Cardiothoracic Surgery, NorthShore University HealthSystems, 2650 Ridge Ave., Evanston, IL 60201
04/2017 - Present Surgery, Cardiothoracic Surgery, Froedtert Memorial Luthern Hospital, 9200 W Wisconsin

Ave, Milwaukee, WI 53226

SPECIALTY BOARDS AND CERTIFICATION:

<u>Board Certified</u>	<u>Issue Date</u>	<u>Expiration</u>
Diplomat	1993	None
Diplomat	2008	12/31/2020
Diplomat	2009	07/01/2020

<u>Certificates</u>	<u>Issued By</u>	<u>Issue Date</u>	<u>Expiration</u>
Instructor (A.C.L.S.)	American Heart Association	1989	1993
National Registry of Emergency Medical Technicians			1978
Advanced Emergency Medical Technician/Mobile Intensive Care	State of Illinois, Department of Public Health		1979
Emergency Medical Technic ian/Ambulance	State of Illinois, Department of Public Health		1978

<u>Licensure</u>	<u>Number</u>	<u>Issue Date</u>	<u>Expiration</u>
Medical License	41177		None

AWARDS AND HONORS:

1984 - 1987 Arthur Lee Wright Named Scholar, Mayo Foundation/Mayo Medical School
1988 Shapira Scholarship Award, American Heart Association, MN Affiliate
1991 Surgical Student Research Award, Association of Academic Surgery
1991 Finalist, Young Investigators Award, American College of Cardiology
1991 Finalist, Sampson Research Award, Western Thoracic Surgical Association
1992 Finalist, Sampson Research Award, Western Thoracic Surgical Association
1993 First Place, Sampson Research Award, Western Thoracic Surgical Association
1999 O.T. Clagett Travel Award, For Outstanding clinical and academic achievement, Divisions of
Cardiovascular and General Thoracic Surgery, Mayo Clinic

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

Medical College of Wisconsin (Cardiovascular Center Membership)
American Society of Heart Valve Disease
Society of Thoracic Surgeons
American Heart Association (Fellow)
Priestly Society (Mayo Clinic Surgical Alumni)
Mayo Alumni Association
Heart Rhythm Society
American College of Cardiology (Fellow)
American Medical Association
American College of Chest Physicians (Fellow)
American College of Surgeons (Fellow)

RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:

Active

Non-Peer Review

Title: SynCardia 70cc Temporary Total Artificial Heart (TAH-t) for Destination Therapy (DT) Study
Source: SynCardia Systems, Inc.
Role: Sub-Investigator
Dates: 01/02/2018 - Present

Prior

Non-Peer Review

Title: Partner III Trial: Placement of Aortic Transcatheter Valves Trial: The Safety and Effectiveness of the Edwards S3 Transcatheter Heart Valve in Low Risk Surgical Patients.

Source: Evanston Hospital Site
Role: Investigator

Title: Pilot Study: Feasibility and Safety Trial for the Application of an External Hypothermia Head Device During Elective Cardiac Surgery Under Cardiopulmonary Bypass. Protocol #EH14-250.

Source: Evanston Hospital Site
Role: Principal Investigator

Title: EXCEL Clinical Trail: Evaluation of XIENCE PRIME™ or XIENCE V® versus Coronary Artery Bypass Surgery for Effectiveness of Left Main Revascularization.

Source: Evanston Hospital Site
Role: Investigator

Title: Everest II REALISM Trial. Evaluation of MitraClip for percutaneous treatment of high surgical risk patients with mitral regurgitation. A study of the E-Valve Cardiovascular Valve Repair System(CVRS) Endovascular Valve Edge-to-Edge Repair Study (EVEREST II), Protocol 0401.

Source: Evanston Hospital Site
Role: Investigator

Title: Partner II Trial: Placement of Aortic Transcatheter Valves Trial: The Safety and Effectiveness of the SAPIEN XT Transcatheter Heart Valve with NovaFlex and Ascendra 2 Delivery Systems (Transfemoral and Tansapical) in Intermediate Risk Surgical and Non-Operable Patients.

Source: Evanston Hospital Site
Role: Investigator

Title: The MITRAL Trial. Mitral Implantation of TRANscatheter vaLves in native mitral stenosis.

Source: Evanston Hospital Site.

Role: Investigator

Title: Tendyne CS-03EFS- Early Feasibility Study of the Tendyne Mitral Valve System.

Source: Evanston Hospital Site

Role: Investigator

Title: Management and Outcomes of Patients with Severe Aortic Stenosis at NorthShore University HealthSystem: A Retrospective Chart Review. Protocol #EH12-256.

Source: Evanston Hospital Site

Role: Principal Investigator

Title: REPRIZE III Trial: REpositionable Percutaneous Replacement of Stenotic Aortic Valve though Implantation of the Lotus Valve SystEm.

Source: Evanston Hospital Site

Role: Investigator

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:

Local

L-arginine Reduces Platelet Thrombi During Cardiopulmonary Bypass?, Fourth Annual Mayo Multidisciplinay Symposium on Platelets, Blood Vessels, and Extracorporeal Medicine, Mayo Clinic, Rochester, MN, - 07/1998

Kirklin Lectureship, Mayo Clinic, Rochester, MN, - 1989

National

Reperfused Endothelium, Bristol Myers Squibb Symposium: Nitric Oxide and Vascular Protection, Baylor College of Medicine, Houston, TX, - 11/1992

Mechanism of Vasomotor Dysfunction Following Coronary Reperfusion, Council on Cardiovascular and Thoracic Surgery, American Heart Association, 70th Scientific Session, Orlando, FL, - 11/1997

International

Vasoactive Factors, Produced by the Endothelium: Physiology and Clinical Implications, Institut de Cardiologie de Montreal, Montreal, Quebec, - 10/1991

Taipei, Taiwan, Republic of China, - 03/1992

BIBLIOGRAPHY

Refereed Journal Publications/Original Papers

1. Chatterjee S, Rankin JS, Gammie JS, Sheng S, O'Brien SM, Brennan JM, Alexander JC, Thourani VH, Pearson PJ, Suri RM. Isolated mitral valve surgery risk in 77,836 patients from the Society of Thoracic Surgeons database. *Ann Thorac Surg.* 2013 Nov;96(5):1587-94; discussion 1594-5.
2. Chatterjee S, Greenberg SB, Brown J, Murphy GS, Pearson PJ, Alexander JC. Simple technique to verify CO₂ diffusion with the CarbonAid™ device. *Heart Surg Forum.* 2012 Aug;15(4):E212-4.
3. Chatterjee S, Alexander JC, Pearson PJ, Feldman T. Left atrial appendage occlusion: lessons learned from surgical and transcatheter experiences. *Ann Thorac Surg.* 2011 Dec;92(6):2283-92.

4. Chua YL, Evora PR, Celotto AC, Pearson PJ, Discigil B, Schaff HV. Adaptation of bioassay to detect endothelium-derived relaxing factors from the canine atrial endocardium. *Rev Bras Cir Cardiovasc.* 2009;24(2):225-32.
5. Matsuda NM, Pearson PJ, Schaff HV, Piccinato CE, Rodrigues AJ, Evora PR. Effect of the effluent released from the canine internal mammary artery after intraluminal and extraluminal perfusion of acetylcholine and adenosine diphosphate. *J Biomed Sci.* 2009 May 05;16(1):45. PMID: PMC2686693
6. Discigil B, Chua YL, Pearson PJ, Evora PR, Celotto AC, Schaff HV. Comparisons of the release of vasodilator substances from left and right cardiac chambers of the isolated perfused rabbit heart: implications for intraventricular thrombus formation. *Nitric Oxide.* 2009 Jun;20(4):259-63.
7. Discigil B, King RM, Pearson PJ, Capellini VK, Rodrigues AJ, Schaff HV, Evora PR. High-frequency ultrasonic waves cause endothelial dysfunction on canine epicardial coronary arteries. *Rev Bras Cir Cardiovasc.* 2008;23(2):190-6.
8. Medford AR, Awan YM, Marchbank A, Rahamim J, Unsworth-White J, Pearson PJ. Diagnostic and therapeutic performance of video-assisted thoracoscopic surgery (VATS) in investigation and management of pleural exudates. *Ann R Coll Surg Engl.* 2008 Oct;90(7):597-600. PMID: PMC2728309
9. Evora PR, Cable DG, Chua YL, Rodrigues AJ, Pearson PJ, Schaff HV. Nitric oxide and prostacyclin-dependent pathways involvement on in vitro induced hypothermia. *Cryobiology.* 2007 Feb;54(1):106-13.
10. Pearson PJ, Wei CM, Lin PJ, Burnett JC, Cable DG, Hamner CE, Schaff HV. Endothelium-dependent vasodilation during acute rejection in dogs. *J Surg Res.* 2004 Sep;121(1):56-61.
11. Takayama H, Hamner CE, Caccitolo JA, Hisamochi K, Pearson PJ, Schaff HV. A novel antioxidant, EPC-K1, stimulates endothelial nitric oxide production and scavenges hydroxyl radicals. *Circ J.* 2003 Dec;67(12):1046-52.
12. Evora PR, Pearson PJ, Rodrigues AJ, Viaro F, Schaff HV. Endothelium-dependent relaxation in response to poly-L-arginine in canine coronary arteries: implications about hyperpolarization as a mechanism of vasodilatation. *Arq Bras Cardiol.* 2003 Jun;80(6):626-30; 621-5.
13. Evora PR, Pearson PJ, Rodrigues AJ, Viaro F, Schaff HV. Effect of arginine vasopressin on the canine epicardial coronary artery: experiments on V1-receptor-mediated production of nitric oxide. *Arq Bras Cardiol.* 2003 May;80(5):483-94.
14. Rodrigues AJ, Evora PR, Pearson PJ, Schaff HV. Endothelium-dependent relaxation to poly-L-arginine in canine coronary arteries. *Endothelium.* 2003;10(2):79-87.
15. Evora PR, Pearson PJ, Discigil B, Oeltjen MR, Schaff HV. Pharmacological studies on internal mammary artery bypass grafts. Action of endogenous and exogenous vasodilators and vasoconstrictors. *J Cardiovasc Surg (Torino).* 2002 Dec;43(6):761-71.
16. Evora PR, Pearson PJ, Chua YL, Discigil B, Schaff HV. Exogenous hyaluronidase induces release of nitric oxide from the coronary endothelium. *J Thorac Cardiovasc Surg.* 2000 Oct;120(4):707-11.
17. Evora PR, Ekin S, Pearson PJ, Schaff HV. Endothelium-dependent vasodilation in response to *Pseudomonas aeruginosa* lipopolysaccharide: an in vitro study on canine arteries. *Braz J Med Biol Res.* 1998 Oct;31(10):1329-34.
18. Cable DG, Caccitolo JA, Pearson PJ, O'Brien T, Mullany CJ, Daly RC, Orszulak TA, Schaff HV. New approaches to prevention and treatment of radial artery graft vasospasm. *Circulation.* 1998 Nov 10;98(19 Suppl):II15-21; discussion II21-2.
19. Pearson PJ, Schaff HV. Effects of cardioplegic solutions on vasoreactivity of the internal mammary artery. *Ann Thorac Surg.* 1998 Aug;66(2):311-2.
20. Pearson PJ, Evora PR, Discigil B, Schaff HV. Hypoxia increases vasodilator release from internal mammary artery and saphenous vein grafts. *Ann Thorac Surg.* 1998 May;65(5):1220-5.
21. Pearson PJ, Evora PR, Seccombe JF, Schaff HV. Hypomagnesemia inhibits nitric oxide release from coronary endothelium: protective role of magnesium infusion after cardiac operations. *Ann Thorac Surg.* 1998 Apr;65(4):967-72.
22. Pearson PJ, Lin PJ, Schaff HV, Vanhoutte PM. Augmented endothelium-dependent constriction to hypoxia early and late following reperfusion of the canine coronary artery. *Clin Exp Pharmacol Physiol.* 1996 Aug;23(8):634-41.
23. Evora PR, Pearson PJ, Seccombe JF, Discigil B, Schaff HV. [Experimental methods in the study of endothelial function]. *Arq Bras Cardiol.* 1996 May;66(5):291-7.
24. Evora PR, Pearson PJ, Seccombe JF, Schaff HV. [Ischemia-reperfusion lesion. Physiopathologic aspects and the importance of the endothelial function]. *Arq Bras Cardiol.* 1996 Apr;66(4):239-45.

25. Evora PR, Pearson PJ, Schaff HV. Protamine induces endothelium-dependent vasodilatation of the pulmonary artery. *Ann Thorac Surg.* 1995 Aug;60(2):405-10.
26. Discigil B, Pearson PJ, Chua YL, Evora PR, Seccombe JF, Schaff HV. Novel technique to bioassay endocardium-derived nitric oxide from the beating heart. *Ann Thorac Surg.* 1995 May;59(5):1182-6.
27. Evora PR, Pearson PJ, Schaff HV. Impaired endothelium-dependent relaxation after coronary reperfusion injury: evidence for G-protein dysfunction. *Ann Thorac Surg.* 1994 Jun;57(6):1550-6.
28. Seccombe JF, Pearson PJ, Schaff HV. Oxygen radical-mediated vascular injury selectively inhibits receptor-dependent release of nitric oxide from canine coronary arteries. *J Thorac Cardiovasc Surg.* 1994 Feb;107(2):505-9.
29. Chua YL, Pearson PJ, Evora PR, Schaff HV. Detection of intraluminal release of endothelium-derived relaxing factor from human saphenous veins. *Circulation.* 1993 Nov;88(5 Pt 2):II128-32.
30. Lin PJ, Pearson PJ, Chang CH. Endothelium-derived contracting factors. *Changcheng Yi Xue Za Zhi.* 1993 Sep;16(3):140-53.
31. Evora PR, Pearson PJ, Schaff HV. [Endothelial function and coronary vasospasm after heart surgery]. *Arq Bras Cardiol.* 1993 Aug;61(2):119-25.
32. Ekin ST, Pearson PJ, Evora PR, Schaff HV. One-hour exposure to University of Wisconsin solution does not impair endothelium-dependent relaxation or damage vascular smooth muscle of epicardial coronary arteries. *J Heart Lung Transplant.* 1993;12(4):624-33.
33. Lin PJ, Chang CH, Pearson PJ, Tzen KY, Chu JJ, Chang JP, Hsieh MJ. Thromboxane A2: an endothelium-derived vasoconstrictor in human internal mammary arteries. *Ann Thorac Surg.* 1993 Jul;56(1):97-100.
34. Evora PR, Pearson PJ, Schaff HV. Arginine vasopressin induces endothelium-dependent vasodilatation of the pulmonary artery. V1-receptor-mediated production of nitric oxide. *Chest.* 1993 Apr;103(4):1241-5.
35. Lin PJ, Pearson PJ, Chang CH. Endothelium-derived relaxing factors. *Changcheng Yi Xue Za Zhi.* 1993 Mar;16(1):1-13.
36. Pearson PJ, Lin PJ, Evora PR, Schaff HV. Endothelium-dependent response of human internal mammary artery to hypoxia. *Am J Physiol.* 1993 Feb;264(2 Pt 2):H376-80.
37. Thirlby RC, Pearson PJ. Nitric oxide is (or is not) everywhere! *Gastroenterology.* 1993 Feb;104(2):658-9.
38. Pearson PJ, Vanhoutte PM. Vasodilator and vasoconstrictor substances produced by the endothelium. *Rev Physiol Biochem Pharmacol.* 1993;122:1-67.
39. Evora PR, Pearson PJ, Schaff HV. Crystalloid cardioplegia and hypothermia do not impair endothelium-dependent relaxation or damage vascular smooth muscle of epicardial coronary arteries. *J Thorac Cardiovasc Surg.* 1992 Nov;104(5):1365-74.
40. Pearson PJ, Evora PR, Ayrancioglu K, Schaff HV. Protamine releases endothelium-derived relaxing factor from systemic arteries. A possible mechanism of hypotension during heparin neutralization. *Circulation.* 1992 Jul;86(1):289-94.
41. Pearson PJ, Lin PJ, Schaff HV. Global myocardial ischemia and reperfusion impair endothelium-dependent relaxations to aggregating platelets in the canine coronary artery. A possible cause of vasospasm after cardiopulmonary bypass. *J Thorac Cardiovasc Surg.* 1992 Jun;103(6):1147-54.
42. Lin PJ, Pearson PJ, Schaff HV. Vasoconstriction to hypoxia of the human internal mammary artery. *Changcheng Yi Xue Za Zhi.* 1991 Sep;14(3):141-8.
43. Cartier R, Pearson PJ, Lin PJ, Schaff HV. Time course and extent of recovery of endothelium-dependent contractions and relaxations after direct arterial injury. *J Thorac Cardiovasc Surg.* 1991 Sep;102(3):371-7.
44. Pearson PJ, Schaff HV, Vanhoutte PM. Acute impairment of endothelium-dependent relaxations to aggregating platelets following reperfusion injury in canine coronary arteries. *Circ Res.* 1990 Aug;67(2):385-93.
45. Pearson PJ, Schaff HV, Vanhoutte PM. Long-term impairment of endothelium-dependent relaxations to aggregating platelets after reperfusion injury in canine coronary arteries. *Circulation.* 1990 Jun;81(6):1921-7.
46. Pearson PJ, Smithson WA, Driscoll DJ, Banks PM, Ehman RL. Inoperable plasma cell granuloma of the heart: spontaneous decrease in size during an 11-month period. *Mayo Clin Proc.* 1988 Oct;63(10):1022-5.
47. Gajo E, Iftikhar O, Pearson PJ, Feldman T, Guerrero M, Levisay J, Salinger MH. Arterial Cutaneous Femoral Fistulous Tract Closure Using Surgiflo Hemostatic Matrix: A Novel Adjunct for Post-TAVR Access-Site Management. *J Invasive Cardiol.* 2017 Aug;29(8):277-279.

48. Guerrero M, Salinger M, Pursnani A, Pearson P, Lampert M, Levisay J, Russell H, Feldman T. Transseptal transcatheter mitral valve-in-valve: A step by step guide from preprocedural planning to postprocedural care. *Catheter Cardiovasc Interv.* 2018 Sep 01;92(3):E185-E196.
49. Muller DWM, Farivar RS, Jansz P, Bae R, Walters D, Clarke A, Grayburn PA, Stoler RC, Dahle G, Rein KA, Shaw M, Scalia GM, Guerrero M, Pearson P, Kapadia S, Gillinov M, Pichard A, Corso P, Popma J, Chuang M, Blanke P, Leipsic J, Sorajja P, Tendyne Global Feasibility Trial Investigators. Transcatheter Mitral Valve Replacement for Patients With Symptomatic Mitral Regurgitation: A Global Feasibility Trial. *J Am Coll Cardiol.* 2017 Jan 31;69(4):381-391.
50. Feldman T, Pearson P, Smart SS. Percutaneous closure of post TAVR LV apical pseudoaneurysm. *Catheter Cardiovasc Interv.* 2016 Sep;88(3):479-85.
51. Lin PJ, Pearson PJ, Schaff HV. Hypoxia releases a vasoconstrictor substance from the human internal mammary artery endothelium. *Surgical Forum .* XLI:312-313.
52. Seccombe, JF, Oeltjen MR, Pearson PJ, Schaff HV. Protamine impairs endothelium-dependent relaxation in canine coronary arteries. *Surgical Forum.* XLIV:276-279.
53. Evora PRB, Pearson PJ, Schaff HV. Alguns aspectos da funcao endotelial em cirurgia cardiaca. *Rev Bras Circ Cardiovasc .* 8(3):195-214.
54. Evora PRB, Pearson PJ, Oeltjen M, Discigil B, Schaff HV. Cardioplegia cristaloide, barotrauma e funcao endotelial: consideracoes experimentais *Rev Bras Cir Cardiovasc .* 11(2):115-122.
55. Evora PRB, Pearson PJ, Discigil B, Seccombe JF, Oeltjen M, Schaff HV. Nitric oxide and endothelium-derived vasoactive factors: role in the vascular tone control. *Rev Soc Cardiol Estado de San Paulo .* 6(2):129-137.
56. Chatterjee S, Hoff WJ, Pearson PJ. Advantages to Miniaturized Cardiopulmonary Bypass for Adult Cardiac Surgery. *J Clinical & Experimental Cardiology.* S:7 <http://dx.doi.org/10.4172/2155-9880.S7-001>.
57. Chatterjee S, Alexander JC, Pearson PJ. CABG for Multivessel CAD. Recent studies show that CABG is still preferred over PCI for most patients. *Cardiac Interventions Today.* Jan/Feb 38-42.
58. Pearson PJ.. Who should undergo TAVR? The role of Transcatheter valve replacement as a new paradigm for treating aortic stenosis. *Cardiac Interventions Today.* Sept/Oct: 1-3.
59. Guerrero M, Pursnani A, Salinger M, Levisay J, Pearson PJ, Feldman T. Techniques for percutaneous left ventricular access. *Cardiac Interventions Today.* July/Aug:48-52.
60. Paul J. Pearson, MD, PhD; and D. Craig Miller, MD. Point/Counterpoint: Does the United States have enough TAVR centers? TAVAR has matured and is ready for many more sites. *Cardiac Interventions Today.* 11(3), May/June. 29-36, 2017..
61. Ailawadi G, Lim DS, Mack MJ, Trento A, Kar S, Grayburn PA, Glower DD, Wang A, Foster E, Qasim A, Weissman NJ, Ellis J, Crosson L, Fan F, Kron IL, Pearson PJ, Feldman T, EVEREST II Investigators. One-Year Outcomes After MitraClip for Functional Mitral Regurgitation. *Circulation.* 2019 Jan 02;139(1):37-47.
62. Chabowski DS, Kadlec AO, Ait-Aissa K, Hockenberry JC, Pearson PJ, Beyer AM, Gutterman DD. Lysophosphatidic acid acts on LPA₁ receptor to increase H₂O₂ during flow-induced dilation in human adipose arterioles. *Br J Pharmacol.* 2018 Nov;175(22):4266-4280. PMID: PMC6193883
63. Mackensen GB, Lee JC, Wang DD, Pearson PJ, Blanke P, Dvir D, Kirkpatrick JN. Role of Echocardiography in Transcatheter Mitral Valve Replacement in Native Mitral Valves and Mitral Rings. *J Am Soc Echocardiogr.* 2018 Apr;31(4):475-490.
64. Cheng TO. Comparison between internal mammary artery and saphenous vein bypass graft. *Surgery.* 1992 Nov;112(5):960-2.
65. Lin PJ, Pearson PJ, Schaff HV. Hypoxia releases a vasoconstrictor substance from the endothelium of the human internal mammary artery *Surgical Forum.* 1990;41:311-312.
66. McAfee MK, Hashimoto K, Pearson PJ, Schaff HV. Endothelial cell injury during global cardiac ischemia and reperfusion *Surgical Forum.* 1990;41:309-310.
67. Pearson PJ, Bruce DS. Attenuation of the human diving reflex with increasing age *Federation Proceedings.* 1984;43(4).
68. . Endothelium-derived contracting factors *Chang Gung Medical Journal.* 1993;16(3):140-153.
69. Makkar RR, Thourani VH, Mack MJ, Kodali SK, Kapadia S, Webb JG, Yoon SH, Trento A, Svensson LG, Herrmann HC, Szeto WY, Miller DC, Satler L, Cohen DJ, Dewey TM, Babaliaros V, Williams MR, Kereiakes DJ, Zajarias A, Greason KL, Whisenant BK, Hodson RW, Brown DL, Fearon WF, Russo MJ, Pibarot P, Hahn RT, Jaber WA, Rogers E, Xu K, Wheeler J, Alu MC, Smith CR, Leon MB, PARTNER 2 Investigators. Five-Year Outcomes of Transcatheter or Surgical Aortic-Valve

- Replacement. *N Engl J Med.* 2020 Feb 27;382(9):799-809.
70. Stone GW, Kappetein AP, Sabik JF, Pocock SJ, Morice MC, Puskas J, Kandzari DE, Karpaliotis D, Brown WM 3rd, Lembo NJ, Banning A, Merkely B, Horkay F, Boonstra PW, van Boven AJ, Ungi I, Bogáts G, Mansour S, Noiseux N, Sabaté M, Pomar J, Hickey M, Gershlick A, Buszman PE, Bochenek A, Schampaert E, Pagé P, Modolo R, Gregson J, Simonton CA, Mehran R, Kosmidou I, Généreux P, Crowley A, Dressler O, Serruys PW, EXCEL Trial Investigators. Five-Year Outcomes after PCI or CABG for Left Main Coronary Disease. *N Engl J Med.* 2019 Nov 07;381(19):1820-1830.
 71. Smith NJ, Miles B, Cain MT, Joyce LD, Pearson P, Joyce DL. Minimally invasive single-vessel left internal mammary to left anterior descending artery bypass grafting improves outcomes over conventional sternotomy: A single-institution retrospective cohort study. *J Card Surg.* 2019 Sep;34(9):788-795.
 72. Guerrero M, Pursnani A, Narang A, Salinger M, Wang DD, Eleid M, Kodali SK, George I, Satler L, Waksman R, Meduri CU, Rajagopal V, Inglessis I, Palacios I, Reisman M, Eng MH, Russell HM, Pershad A, Fang K, Kar S, Makkar R, Saucedo J, Pearson P, Bokhary U, Kaptzan T, Lewis B, Tommaso C, Krause P, Thaden J, Oh J, Lang RM, Hahn RT, Leon MB, O'Neill WW, Feldman T, Rihal C. Prospective Evaluation of Transseptal TMVR for Failed Surgical Bioprostheses: MITRAL Trial Valve-in-Valve Arm 1-Year Outcomes *JACC: Cardiovascular Interventions.* 26 April 2021;14(8):859-872.
 73. Guerrero M, Pursnani A, Narang A, Salinger M, Wang DD, Eleid M, Kodali SK, George I, Satler L, Waksman R, Meduri CU, Rajagopal V, Inglessis I, Palacios I, Reisman M, Eng MH, Russell HM, Pershad A, Fang K, Kar S, Makkar R, Saucedo J, Pearson P, Bokhary U, Kaptzan T, Lewis B, Tommaso C, Krause P, Thaden J, Oh J, Lang RM, Hahn RT, Leon MB, O'Neill WW, Feldman T, Rihal C. Prospective Evaluation of Transseptal TMVR for Failed Surgical Bioprostheses: MITRAL Trial Valve-in-Valve Arm 1-Year Outcomes. *JACC Cardiovasc Interv.* 2021 Apr 26;14(8):859-872.
 74. Tyagi S, Patil H, Cinquegrani M, Pearson P, Joyce L, Garster N, Salinger M. Late recognition of Gore Helex atrial septal occluder fracture and migration *Journal of Cardiology Cases.* 2021.
 75. Chaddha A, Mason PJ, Fasseas P, Pearson PJ, Tyagi S, Plambeck C, Garster NC, Dang G, Salinger MH. Intravascular Lithotripsy (IVL) Assisted Percutaneous Balloon Mitral Valvuloplasty (PBMV): Refining the Technique *Structural Heart.* 2021.
 76. Woods RK, Pearson P. Commentary: Aortic root aneurysm and coarctation-choose a strong horsehair and stay off the autopsy table. *JTCVS Tech.* 2020 Jun;2:124-125. PMID: PMC8299035
 77. Miles B, Durham LA, Kurman J, Joyce LD, Johnstone DW, Joyce D, Pearson PJ. Venovenous Extracorporeal Membrane Oxygenation to Facilitate Removal of Endobronchial Tumors. *Tex Heart Inst J.* 2021 Jul 01;48(3). PMID: PMC8367282
 78. Tyagi S, Patil H, Cinquegrani M, Pearson P, Joyce L, Garster N, Salinger M. Late recognition of Gore Helex atrial septal occluder fracture and migration. *J Cardiol Cases.* 2021 Sep;24(3):140-143. PMID: PMC8380948
 79. Cain MT, Joyce DL, Szabo A, Wu R, Kohmoto T, Joyce LD, Pearson PJ. Reduced Morbidity and Mortality Associated With Minimally-Invasive Single vessel Coronary Artery Bypass Compared With Conventional Sternotomy. *Ann Surg.* 2022 Jul 07.

Books, Chapters, and Reviews

1. Feldman TF, Salinger M, Guerrero M, Pearson PJ.. Interventional Management in Patients with Paravalvular Leaks. In: *Catheter-based Cardiovascular Interventions; Knowledge-Based Approach.* 2nd Edition, Springer. Peter Lanzer, Editor 2017.
2. Pearson PJ, Schaff HV. Valve Repair and Choice of Valves. In: *Evidence Based Cardiology.* Editors Yusif S, Cairns J, Camm AJ, Fallen EL, Gersh BJ. British Medical Journal Books, London, p871-883, 1998; Second revised edition, 2002.

Abstracts

1. Tuggy ML, Pearson PJ, Bruce DS: Induction of hibernation in the 13-lined ground squirrel, *Citellus tridecemlineatus*, by injection of urine or plasma from the bats *Myotis lucifigus* or *Eptesicus fuscus*. *Fed Proc* 42: 254, 1983.
2. Pearson PJ, Bruce DS: Attenuation of the human diving reflex with increasing age. *Fed Proc* 43: 815, 1984.
3. Gharagozloo F, Mashburn JB, Schaff HV, Chandrasekaran K, Pearson PJ, Pluth JR: Benefit of retrograde coronary sinus cardioplegia during revascularization for acute myocardial infarction. *JACC II (Suppl A):* 106A, 1988.
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