

FRANCES P. VELA-CANTOS, APN-c

EXPERIENCE

- 6/00 - present Acute Care Nurse Practitioner
Clinical Research Coordinator
Heart and Vascular Institute of New Jersey
Division of Cardiothoracic Surgery
Englewood Hospital and Medical Center
Englewood, New Jersey
- 9/90 - 6/00 Clinical Research Coordinator
Department of Cardiothoracic Anesthesiology
Mount Sinai-NYU Medical Center Health System, New York, New York
- 7/93 - 6/96 Examiner, Clinical Performance in Nursing Examination (CPNE)
Regents College, The University of the State of New York, Albany, New York
- 1/92 - 12/93 Instructor, Division of Nursing
New York University, New York, New York
- 1/87 - 9/90 Staff Nurse, Cardiothoracic Surgical Intensive Care Unit
Mount Sinai Medical Center, New York, New York
- Per Diem Nurse, Coronary Care Unit
Doctor's Hospital, New York, New York
- 8/85 - 1/87 Staff Nurse, Adult Emergency Room
Mount Sinai Medical Center, New York, New York
- 4/83 - 8/85 Staff Nurse, Intermediate Care Unit
Porter Memorial Hospital, Valparaiso, Indiana
- 5/81 - 4/83 Staff Nurse, Telemetry Unit/Coronary Care Step-down Unit
La Porte Hospital, La Porte, Indiana
- 5/81 - 6/82 Office Nurse
Rodrigo C. Garde MD (Internal Medicine and General Surgery)
New Carisle, Indiana

EDUCATION

- 1998 Adult Health Nurse Practitioner Post Masters Program
Columbia University, New York, New York
- 1992 Master of Arts in Nursing
Master of Education
New York University, New York, New York

1985 Bachelor of Science in Nursing
Family Nurse Practitioner Program
Purdue University, Hammond, Indiana

1981 Associate in Applied Science in Nursing
Purdue University, Westville, Indiana

CERTIFICATION

6/98 - present Adult Health Nurse Practitioner Certificate # 321798331021
American Nurses Association

4/98 – 2002 Clinical Research Coordinator Certificate #C98441
Association of Clinical Research Professionals

2/98 - present Adult Health Nurse Practitioner Certificate # A0498151
American Academy of Nurse Practitioners

2/93 - present Critical Care Registered Nurse Certificate# 0100891
American Association of Critical Care Nurses

1981- present American Heart Association BCLS

1981-present American Heart Association ACLS

LICENSURE

New Jersey State (RN)	No. NR99978
New Jersey State (ANP)	No. NN099978
New York State (ANP)	No.F302242
New York State (RN)	No. 344034
Texas State (RN)	No. 578857
California State (RN)	No. H341474
Indiana State (RN)	No. 081577

MEMBERSHIPS

1998 to present American Academy of Nurse Practitioners

1984 to present American Association of Critical Care Nurses

1981 to present American Nurses Association

PRESENTATIONS/PUBLICATIONS

1. Vela-Cantos F. Post Operative Care of the Cardiac Surgery Patient. Presented at Englewood Hospital Home Care. December 2009.
2. Vela-Cantos F. Thoracic Aortic Aneurysms. Presented at Englewood Hospital "Cutting Edge Technology in Cardiothoracic Surgery and Cardiology. February 2008.
3. Shore-Lesserson L, Bodian C, Vela-Cantos F, Silvey G, Reich DL. Antifibrinolytic use and bleeding during surgery on the descending thoracic aorta: a multivariate analysis. J Cardiothorac Vasc Anesth. 2005 Aug;19(4):453-8
4. Shore-Lesserson L, Moskowitz D, Hametz C, Andrews D, Yamada T, Vela-Cantos F, Hossain S, Bodian C, Lessen RJ, Konstadt SN: Use of intraoperative transesophageal echocardiography to predict atrial fibrillation after coronary artery bypass grafting. Anesthesiology 2001 Sep; 95(3): 652-8
5. Bennett-Guerrero E, Barclay GR, Weng PI, Bodian CA, Feierman DE, Vela-Cantos F, Mythen MG: Endotoxin-neutralizing capacity of serum from cardiac surgical patients. J Cardiothoracic Vasc Anesthesia 2001 Aug 15(4): 451-4.
6. Leyvi G, Shore-Lesserson L, Harrington D, Vela-Cantos F, Hossain S.: An investigation of new activated clotting time MAX-ACT in patients undergoing extracorporeal circulation. Anesthesia Analgesia 2001 Mar 92(3): 578-83.
7. Bennett-Guerrero E, Barclay GR, Youssef ME, Hossain S, Vela-Cantos F, Andres LA, Poxton IR: Exposure to bacteroides fragilis endotoxin during cardiac surgery. Anesthesia Analgesia 2000 Apr 90(4): 819-23.
8. Shore-Lesserson L, Manspeizer HE, Bolastig M, Harrington D, Vela-Cantos F, DePerio M: Anticoagulation for cardiac surgery in patients receiving preoperative heparin: use of high-dose thrombin time. Anesthesia Analgesia 2000 Apr; 90(4): 813-8.
9. A Phase IV Multicenter, randomized, double-blind, placebo-controlled trial to evaluate the efficacy of fenoldopam mesylate in preserving renal function and decreasing healthcare resource utilization of coronary artery bypass grafting patients (November 24, 1999)
10. Shore-Lesserson L, Leyvi G, Harrington D, Vela-Cantos F: Use of the new activated clotting time (MAX-ACT) in patients undergoing extracorporeal circulation. Anesthesiology 1999;: A
11. Shore-Lesserson, L, Ammar T, DePerio M, Vela-Cantos F, Fisher C. Platelet-activated clotting time does not measure platelet reactivity during cardiac surgery. Anesthesiology 1999 Aug; 91(2): 362-8.
12. Shore-Lesserson, L., Manspiezer, H., Deperio, M., Vela-Cantos, F., et.al. Thromboelastography-guided transfusion algorithm reduces transfusions in complex cardiac surgery. Anesthesia and Analgesia 88:31, 2-9, 1999.
13. Shore-Lesserson L, Bodian CA, Vela-Cantos F, Reich DL: Factors affecting transfusion requirements in descending thoracic aortic replacement. Anesthesiology 1998; 89: A 247.
14. Shore-Lesserson L, Reich DL, Vela-Cantos F, et.al. : Antifibrinolytic therapy does not reduce bleeding associated with surgery of the descending thoracic aorta. Anesthesiology 1996;85:A62.

15. Shore-Lesserson L, Reich DL, Vela-Cantos F, et.al. Tranexamic acid reduces transfusions and mediastinal drainage in repeat cardiac surgery. *Anesthesia and Analgesia* 83:18-26, 1996.
16. Shore-Lesserson L, Reich DL, Vela-Cantos F, et.al. Tranexamic acid inhibits fibrinolysis and bleeding in repeat cardiac surgery. *Anesthesia and Analgesia* 82:S408, 1996.
17. Silvay G., Reich DL, Vela-Cantos F, Ammar T, Shore-Lesserson L, et. al. The value of jugular bulb oxygen saturation in the prevention of CNS complications during deep hypothermic circulatory arrest. *Critical Care Medicine*:A74, 1996.
18. Shore-Lesserson L, Reich DL, Vela-Cantos F, Ergin MA. Tranexamic acid reduces transfusion requirements and bleeding in repeat cardiac surgery. *Anesthesiology* 83:A102, 1995.
19. Silvay G., Reich DL, Vela-Cantos F, Ammar T, Shore-Lesserson L. The value of jugular bulb oxygen saturation during profound hypothermia and circulatory arrest. *Anesthesiology* 83:A145, 1995.
20. Silvay G, Ammar T, Reich DL, Vela-Cantos F. Jugular bulb oxygen saturation in surgery requiring deep hypothermic circulatory arrest. *British Journal of Anesthesia* 1995: S2:18.
21. Silvay G, Ammar T, Reich DL, Vela-Cantos F, Joffe D, Ergin AE. Cardiopulmonary for adult patients: A survey of equipment and techniques. *Journal of Cardiothoracic and Vascular Anesthesia* 1995:9:4:420-424.
22. Reich DL, Shore-Lesserson L, Vela-Cantos FP, Silvay G. Tranexamic Acid Reduces Bleeding in Reoperative Cardiac Surgery. *Thoracic Aneurysm Symposium, Sweden, May 1994*.
23. Kahn RA, Reich DL, Joffe D, Konstadt S, Vela-Cantos FP, Abrahams H. Glucose based CPB pump prime solutions does not affect perioperative fluid balance. *Anesthesia and Analgesia* 1994:78:S186.
24. Reich DL, Vela-Cantos FP, Silvay G. What is the pattern of jugular bulb oxyhemoglobin saturation in adult cardiac surgical patients undergoing hypothermic CPB? *Anesthesia and Analgesia* 1994:78:S356.
25. Silvay G, Reich DL, Joffe D, Vela-Cantos FP. Techniques for autologous blood conservation in open heart surgery: Results of a survey. *Anesthesia and Analgesia* 1994:78:S397.
26. Reich DL, Patel GC, Vela-Cantos F, Bodian C, Lansman S. Aspirin does not increase homologous blood requirements in elective coronary bypass surgery. *Anesthesia and Analgesia* 1994; 79:4-8.
27. Reich DL, Vela-Cantos FP, De Perio MG, Patel G, Lansman S, Silvay G. Aspirin does not increase intraoperative transfusion requirements in cardiac surgery. *American Association of Critical Care Nurses NYC Chapter Annual 'Challenges' Meeting, March 1994*.
28. Reich DL, Patel GC, Vela-Cantos FP. Aspirin does not increase intraoperative transfusion requirements in cardiac surgery. *Anesthesiology* 1993; 79(3A): A164.
29. Silvay G, Joffe D, Vela-Cantos FP, Reich DL. Cardiopulmonary bypass practice techniques: Results of a survey. *Anesthesiology* 1993; 79(3A):A546.
30. Reich DL, Vela-Cantos FP, Silvay G. What is the accuracy and precision of continuous jugular

- bulb oxygen hemoglobin saturation monitoring using a fiberoptic catheter?
Anesthesiology 1993;79(3A):A568.
31. Vela-Cantos FP. Comment In: Open forum. Critical Care Nurse, 1993;13(5):126.
 32. Vela-Cantos FP. Current research studies in cardiothoracic anesthesia. CTS State of the Art Newsletter 1993;1:2-3.
 33. Reich DL, Yanakakis MJ, Vela-Cantos FP, DePerio M, Jacobs E. Comparison of Bedside Coagulation Monitoring Tests in Cardiac Surgical Patients. Anesthesia and Analgesia 1993;77:673-9.
 34. Reich DL, Newman KB, Vela FP, Konstadt S. Higher heparin doses associated with increase incidence of chest tube bleeding in cardiac surgical patients. American Society of Anesthesiologists Annual Meeting, 1992.
 35. Reich DL, Yanakakis MJ, Vela FP, DePerio M. Which bedside coagulation test best predicts prolonged PTT? Society of Cardiovascular Anesthesiologists Annual Meeting, May 1992.
 36. Lebovic S, Reich DL, Steinberg G, Vela FP, Silvey G. Comparison of propofol versus ketamine for anesthesia in pediatric patients undergoing cardiac catheterization. Anesthesia and Analgesia 1992;74:490-494.
 37. Vela FP, DePerio M. Heart Transplantation: Case Presentation, Nursing Grand Rounds, The Mount Sinai Medical Center January 1989.

OTHER ACTIVITIES/SKILLS

Computer skills - data entry and retrieval, and programming of PowerPoint, Paradox, Lotus and Excel spreadsheets, Word; working knowledge of Englewood Hospital computer systems (TDS, QMI, ADT, Netscape, CC:mail)

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| 2009 | preceptor to graduate student Rutgers University Nurse Practitioner Program |
| 1999 - 2000 | cited in Marquis' Who's Who in Medicine and Health Sciences |
| 1992 - 1998 | cited in Marquis' Who's Who in American Nursing |
| 1992 - 1997 | Manuscript Reviewer
American Journal of Nursing |
| 1994 - 1997 | Abstractor
SCAN Journal
American Association of Critical Care Nurses |
| 1993 - 1994 | Mentor Program Mount Sinai Medical Center
Division of Nursing Education
mentor to highschool students planning careers in health care |