



**NCDR**<sup>TM</sup>

National Cardiovascular Data Registry

# **Registry Research Published Manuscripts**



## Registry Manuscripts

<b>CATHPCI REGISTRY®</b> .....	<b>1</b>
<b>ACTION REGISTRY® - GWTG™</b> .....	<b>4</b>
<b>ICD REGISTRY™</b> .....	<b>4</b>
<b>CARE REGISTRY®</b> .....	<b>4</b>

**Incidence and Predictors of Stroke Associated with Percutaneous Coronary Intervention.** Atul Aggarwal, David Dai, John S. Rumsfeld, Lloyd W. Klein, Matthew T. Roe. **Forthcoming in *Journal of the American College of Cardiology*.**

**Gender Differences Among Patients with Acute Coronary Syndromes (ACS) Undergoing Percutaneous Coronary Intervention (PCI) in the American College of Cardiology-National Cardiovascular Data Registry.** N Akhter; S Milford-Beland; MT Roe; RN Piana; J Kao; A Shroff. **Forthcoming in *American Heart Journal*.**

**Role of age as a predictor of outcome.** M Singh, J Rumsfeld, J Spertus, HV. Anderson, E Peterson, L Klein, W Weintraub, D Holmes. **Forthcoming in *Circulation*.**

**Validation of Mayo Clinic Risk Score for In-Hospital Mortality following Percutaneous Coronary Interventions using the National Cardiovascular Data Registry (NCDR).** M Singh, C Rihal, D Holmes, J Rumsfeld, J Spertus, LW Klein, HV Anderson. **Forthcoming in *Circulation*.**

**Combined Impact of Age and Estimated Glomerular Filtration Rate on In-Hospital Mortality Following Percutaneous Coronary Intervention for Acute Myocardial Infarction (From the American College of Cardiology National Cardiovascular Data Registry).** W Dixon, T. Wang, DDai, KA Shunk, ED Peterson, MT Roe. **Forthcoming in *Journal of the American College of Cardiology*; March 2009**

**Clinical Significance of Post-Procedural Thrombolysis In Myocardial Infarction Flow in Patients With Cardiogenic Shock Undergoing Primary Percutaneous Coronary Intervention.** RH Mehta, F-S Ou, ED Peterson, RE Shaw, WB Hillegass, JS Rumsfeld, MT Roe. **Forthcoming in *Journal of the American College of Cardiology*.**

**Time-to-reperfusion in patients undergoing interhospital transfer for primary percutaneous coronary intervention in the U.S: an analysis of 2005 and 2006 data from the National Cardiovascular Data Registry.** A Chakrabarti, HM Krumholz, Y Wang, JS Rumsfeld, BK Nallamothu. **J. Am. Coll. Cardiol. published online Sep 21, 2007; published J Am Coll Cardiol. 2008 Jun 24;51(25):2442-3.**

**Culprit-only or multivessel revascularization in patients with acute coronary syndromes; An ACC-NCDR report.** SJ Brener, M Roe, DL Bhatt, JK Foster, E Veledar, GT Anderson, WS Weintraub, RG Brindis. **Am Heart J 2008; 155:140-6**

**Impact of Ethnicity and Gender Differences on Angiographic Coronary Artery Disease Prevalence and In-Hospital Mortality in the American College of Cardiology National Cardiovascular Data Registry.** LJ Shaw, RE Shaw, CN Bairey Merz, RG Brindis, LW Klein, B Nallamothu, PS Douglas, RJ Krone, CR McKay, PC Block, K Hewitt, WS Weintraub, ED Peterson. **Circulation 2008;117:1787-1801; originally published online Mar 31, 2008;DOI: 10.1161/Circulation.AHA.107.726562.**

**Factors Associated with Off-label Use of Drug Eluting Stents in Patients with ST-elevation Myocardial Infarction.** HH Ting, MT Roe; BJ Gersh; JA Spertus; JSRumsfeld; F-S Ou; J Kao; KH Long; DR Holmes; ED Peterson. **AJC, February 2008;101: 286-292.**

**Impact of Home Warfarin Use on the Treatment and Outcomes of Patients Undergoing Percutaneous Coronary Intervention.** A Aggarwal, D Dai, JS Rumsfeld, L W Klein, MT Roe. **Am J Cardiol 2008;101:1413-1417.**

**Patterns of Cardiac Marker Surveillance after Elective Percutaneous Coronary Intervention: Implications for the Use of Peri-procedural Myocardial Infarction as a Quality Metric.** TY Wang, ED Peterson, D Dai, HV Anderson, SV Rao, MT Roe. **J. Am. Coll. Cardiol. 2008;51:2068-2074 doi:10.1016/j.jacc.2008.01.054**

**Trends in the Prevalence and Outcomes of Radial and Femoral Approaches to Percutaneous Coronary Intervention.** SV Rao, F-S Ou, TY Wang, MT Roe, R Brindis, JS Rumsfeld, ED Peterson. **JACC: Cardiovascular Interventions, Vol XX, No X, 2008.**

**Anatomic Distribution of the Culprit Lesion in Patients With Non-ST-Segment Elevation Myocardial Infarction Undergoing Percutaneous Coronary Intervention.** W Dixon, T. Wang, DDai, KA Shunk, ED Peterson, MT Roe. **J Am Coll Cardiol, 2008; 52:1347-1348, doi:10.1016/j.jacc.2008.07.029.**

"Hemostatic Devices" Chapter in: *Medical Device Epidemiology and Surveillance*. DR Tavis, B Gallauresi, RG Brindis. John Wiley & Sons, Ltd. England 2007, pages 379-394.

**Frequency of Percutaneous Coronary Interventions at Facilities without On-Site Cardiac Surgical Backup—A Report from the American College of Cardiology–National Cardiovascular Data Registry (ACC-NCDR®).** GJ Dehmer, MA Kutcher, SK Dey, RE Shaw, WS Weintraub, K Mitchell, RG Brindis. *Am J Cardiol* 2007; **99:329–332**.

**Risk of local adverse events by gender following cardiac catheterization.** DR Tavis, BA Gallauresi, S Dey, R Brindis, K Mitchell. *Pharmacoepidemiology and Drug Safety* 2007; **16, Issue 2: 125–131**.

**Comparing Hospital Performance in Door-to-Balloon Time Between the Hospital Quality Alliance and the National Cardiovascular Data Registry.** BK Nallamothu, Y Wang, EH Bradley, KK Ho, JP Curtis, JS Rumsfeld, FA Masoudi, HM Krumholz. *JACC* 2007; **50: 1517-1519; originally published online Sep 21, 2007; doi:10.1016/j.jaac.2007.07.010**.

**Risk-Adjusted Mortality Analysis of Percutaneous Coronary Interventions by American College of Cardiology/American Heart Association Guidelines Recommendations.** HV Anderson, RE Shaw, RG Brindis, CR McKay, LW Klein, RJ Krone, KK Ho, JS Rumsfeld, SC Smith Jr., WS Weintraub. *Am J Cardiol* 2007; **99:189–196**.

**Clinical Utilization and Efficacy of Distal Embolic Protection Devices during Saphenous Vein Graft Percutaneous Coronary Interventions.** SK Mehta, AD Frutkin, S Milford-Beland, LW Klein, RE Shaw, WS Weintraub, RJ Krone, HV Anderson, MA Kutcher, SP Marso. *American Journal of Cardiology* 2007; **100: 1114-1118**.

**Ad Hoc Percutaneous Coronary Intervention (PCI) in Patients with Stable Coronary Artery Disease—A Study of Prevalence, Safety, and Variation in Use from the American College of Cardiology—National Cardiovascular Data Registry.** RJ Krone, RE Shaw, LW Klein, JC Blankenship, WS Weintraub. *Catheter Cardiovasc Interv* 2006; **68(5):696–703**.

**On- versus Off-Label Use of Drug-Eluting Coronary Stents in Clinical Practice: Report from the ACC-NCDR.** SV Rao, RE Shaw, RG Brindis, LW Klein, ED Peterson. *Am J Cardiol* 2006; **97(10):1478–1481**.

**Patterns and outcomes of drug-eluting coronary stent use in clinical practice.** SV Rao, RE Shaw, RG Brindis, LW Klein, WS Weintraub, RJ Krone, ED Peterson. *Am Heart J*. 2006 Aug; **152(2):321–6; published online 30 June 2006**.

**Trends in Percutaneous Versus Surgical Revascularization of Unprotected Left Main Coronary Stenosis in the Drug-Eluting Stent Era—A Report from the American College of Cardiology–National Cardiovascular Data Registry (ACC-NCDR).** HW Huang, BN Brent, RE Shaw. *Catheterization and Cardiovascular Interventions* 2006; **68:867–872**.

**Continuous quality improvement in the cardiac catheterization laboratory - Are the benefits worth the cost and effort?** RG Brindis, GJ Dehmer. *Circulation*. 2006; **113:767–770**.

**President's Page: A question of quality: Why national benchmarking?** PS Douglas, RG Brindis. *JACC*. 2006; **47:1076–1078**.

**Risk of Local Adverse Events Following Cardiac Catheterization by Hemostasis Device and Gender: A Report from the American College of Cardiology—National Cardiovascular Data Registry (Phase II).** DR Tavis, SK Dey, BA Gallauresi, RE Shaw, WS Weintraub, KR Mitchell, RG Brindis. *J Invasive Cardiol* 2005; **17(12): 644–650**.

**Relationship between procedure indications and outcomes of percutaneous coronary interventions by the American College of Cardiology/American Heart Association Task Force Guidelines.** HV Anderson, RE Shaw, RG Brindis, LW Klein, CR McKay, MA Kutcher, RJ Krone, MJ Wolk, SC Smith Jr, WS Weintraub. *Circulation* 2005; **112(18):2786–2791**.

**Mortality after Emergent PCI in Cardiogenic Shock Secondary to Acute Myocardial Infarction and Usefulness of a Mortality Prediction Model.** LW Klein, RE Shaw, RJ Krone, RG Brindis, HV Anderson, PC Block, CR McKay, KM Hewitt, WS Weintraub. *Am J Cardiol* 2005; **96(1):35–41**.

**Accuracy of noninvasive ejection fraction measurement in a large community-based clinic.** DE Habash-Bseiso, R Rokey, CJ Berger, AS Weier, PH Chyou. *Clin Med Res*. 2005; **3:75–82**.

**Discrimination and calibration of mortality risk prediction models in interventional cardiology.** ME Matheny, L Ohno-Machado, FS Resnic. **Journal of Biomedical Informatics.** 2005; 38:367–75.

**Bringing Measurement and Management Science to the Cath Laboratory: The ACC-NCDR and the Cardiac Catheterization Laboratory Continuous Quality Improvement Toolkit.** GJ Dehmer, MC Elma, KM Hewitt, RG Brindis. **J Cardiovasc Manag** 2004; 15(6):20–6.

**CathKIT: Improving Quality in the Cardiac Catheterization Laboratory.** GJ Dehmer, JW Hirshfeld, WJ Oetgen, KR Mitchell, AW Simon, MC Elma, MA Kellett, RG Brindis. **JACC** 2004; 43:893–9.

**Bringing measurement and management science to the cath laboratory: the National Cardiovascular Data Registry (ACC-NCDR) and the Cardiac Catheterization Laboratory Continuous Quality Improvement Toolkit (ACC-CathKIT).** GJ Dehmer, MC Elma, KM Hewitt, RG Brindis. **J Cardiovasc Manag.** 2004; 15:20–26.

**Updated Risk-Adjustment Mortality Model Using the Complete 1.1 Dataset from the ACC-NCDR.** RE Shaw, HV Anderson, RG Brindis, RJ Krone, LW Klein, CR McKay, PC Block, LJ Shaw, KM Hewitt, WS Weintraub. **J Invasive Cardiol** 2003; 15(10):578–580.

**Evaluation of the American College of Cardiology/American Heart Association and the Society for Coronary Angiography and Interventions Lesion Classification System in the Current 'Stent Era' of Coronary Interventions.** RJ Krone, RE Shaw, LW Klein, PC Block, HV Anderson, CR McKay. **Am J Cardiol** 2003; 92:389–394.

**Percutaneous Coronary Interventions in Octogenarians in the American College of Cardiology—National Cardiovascular Data Registry: Development of a Nomogram Predictive of In-Hospital Mortality.** LW Klein, P Block, RG Brindis, CR McKay, BD McCallister, M Wolk, et al. **JACC** 2002; 40(3):394–402.

**A Contemporary Overview of Percutaneous Coronary Interventions: The American College of Cardiology—National Cardiovascular Data Registry.** HV Anderson, RE Shaw, RG Brindis, KM Hewitt, RJ Krone, PC Block, CR McKay, WS Weintraub. **JACC** 2002; 39(7):1096–1103.

**Development of a Risk Adjustment Mortality Model Using the American College of Cardiology—National Cardiovascular Data Registry Experience: 1998-2000.** RE Shaw, HV Anderson, RG Brindis, RJ Krone, LW Klein, CR McKay, PC Block, LJ Shaw, KM Hewitt, WS Weintraub. **JACC** 2002; 39(7):1104–1112.

**Independent validation of the ACC-NCDR risk model to predict complications of PCI.** V Go, JE Calvin, LW Klein. **Circulation** 106(19), 717. 11-5-2002.

**The ACC-NCDR: Building a National Clinical Data Repository.** RG Brindis, S Fitzgerald, HV Anderson, RE Shaw, WS Weintraub, JF Williams. **JACC** 2001; 37(8): 2240–2245.

**Variations in risk-adjusted mortality with PCI: The ACC-NCDR Registry.** HV Anderson, CR McKay, RE Shaw, KR Mitchell, J Emler, PD Mermelstein, RG Brindis. **Circulation** 2000; 102(18): 841. 10-31-2000.

**Development of the American College of Cardiology National Cardiovascular Data Registry.** WS Weintraub. **J Invasive Cardiol** 1998; 10(8):489–491.

## **ACTION Registry<sup>®</sup> - GWTG<sup>™</sup>**

**Pre-hospital Electrocardiograms: Potential Answer to the Time to Reperfusion Challenge.** D. Diercks, J Lynch, MC Kontos, JS Rumsfeld, AY Chen, WB Gibler, CP Cannon, SD, Wiviott, CV Pollack, Jr., DJ Magid, MT Roe. **Accepted by JACC, 2008.**

## **ICD Registry<sup>™</sup>**

**The National ICD Registry: Now and into the future.** S Hammill, S Phurrough, R Brindis. **Heart Rhythm, Vol 3, No 4, April 2006: 470-473.**

**National ICD Registry 2006: Review of the registry's First Year, Data Collected, and Future Plans.** SC Hammill, LW Stevenson, AH Kadish, MS Kremers, P Heidenreich, BD Lindsay, MJ Mirro, MJ Radford, Y Wang, CM Lang, JC Harder, and RG Brindis. **Heart Rhythm, Sep 2007; 4(9): 1260-3, doi:10.1016.2007.10.021.**

**Review of the Registry's Second Year, Data Collected, and Plans to add Lead and Pediatric ICD Procedures: National ICD Registry Annual Report 2007.** SC Hammill, MS Kremers, L Warner Stevenson, AH Kadish, PA Heidenreich, BD Lindsay, MJ Mirro, MJ Radford, Y Wang, JP Curtis, CM Lang, JC Harder, RG Brindis. **Heart Rhythm (2008), doi: 10.1016/j.hrthm.2008.07.015.**

## **CARE Registry<sup>®</sup>**

**The Carotid Artery Revascularization and Endarterectomy (CARE) Registry: Objectives, Design, and Implications.** CJ White, HV Anderson, RG Brindis, CU Cates, DJ Cohen, K Ho, LN Hopkins, MR Jaff, WJ Koroshetz, KA Rosenfield. **Catheterization and Cardiovascular Interventions 71:721-725 (2008).**