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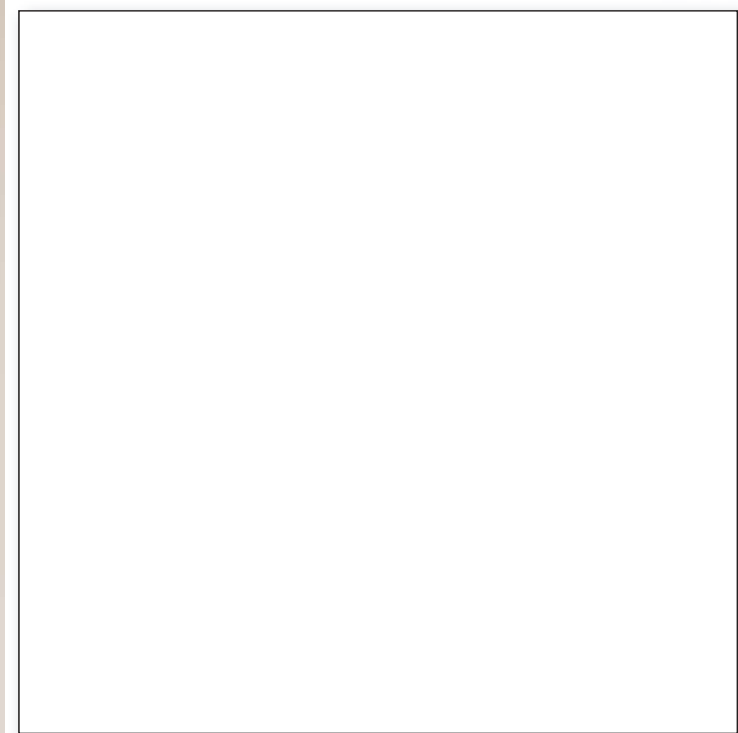
Background

CARE Registry

- 8 HCA hospitals
- “Real World” situation
- all patients- no selection criteria
- prospectively collected data on all patients
 - who had coronary artery bypass (on or off-pump, including those with TMR) or
 - were treated in catheterization lab with a percutaneous coronary intervention
- physicians free to treat as they chose- registry only collected the data

This study analyzed the registry data collected for the Cath Lab procedures to determine if there were any differences in the selection of stents either in total or drug-eluting stents (DES) based on gender, race or the patient’s diabetes status. Also analyzed discharge medications for patterns based on gender, race or diabetic status.

Abstract

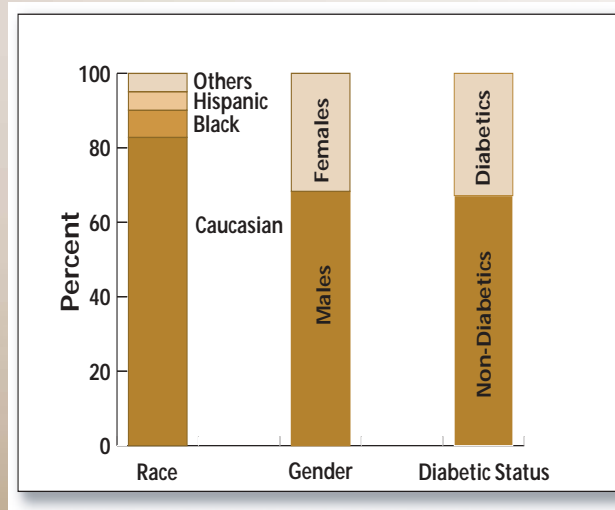


Methods

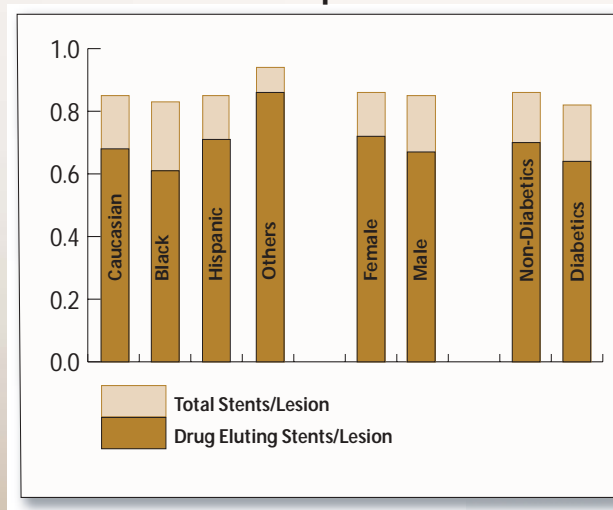
- study enrolled patients between 2/1/2004 and 7/31/2004
- collected all data on 2891 patients admitted for Cath Lab treatment at the participating centers- lesion locations, treatments, stents used and medications prescribed
- lesion counted if stenosis on angiography greater or equal to 70%
- data returned to co-ordinating center for checking and data entry
- MS Access database designed to hold study data
- for analysis, data was exported and analyzed using SAS (v9.1.3, SAS Institute, Cary, NC)
- statistical analysis based on gender, race, diabetes status

Results

Patient Demographics in Cath Study by Race, Gender and Diabetic Status



Stents Used per Lesion and DES Used per Lesion



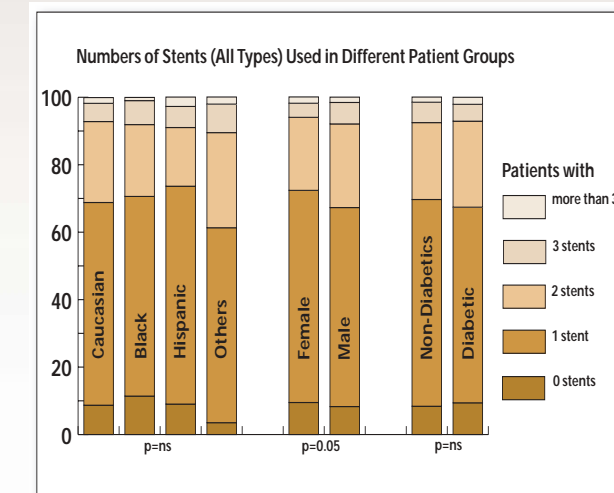
Observed Differences include:

Race
DES/Lesion is highest in ‘Others’ compared to all groups p< 0.05

Gender
DES/Lesion in Females higher than for males p=0.04

Non-Diabetics (compared to Diabetics)
Higher Stents/lesion p=0.04
Higher DES/lesion p=0.03

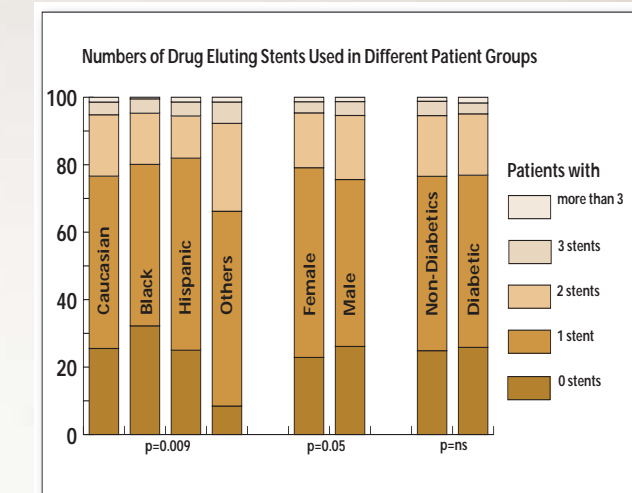
All Stent Types



Analysis by

Race p=ns
Gender p = 0.05
Diabetic Status p = ns

Drug Eluting Stents

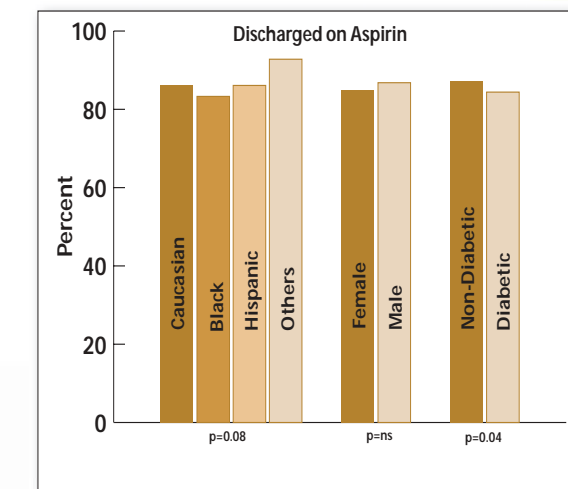


Analysis by

Race p=0.009
Gender p =0.05
Diabetic Status p = ns

Analysis of Discharge Medications

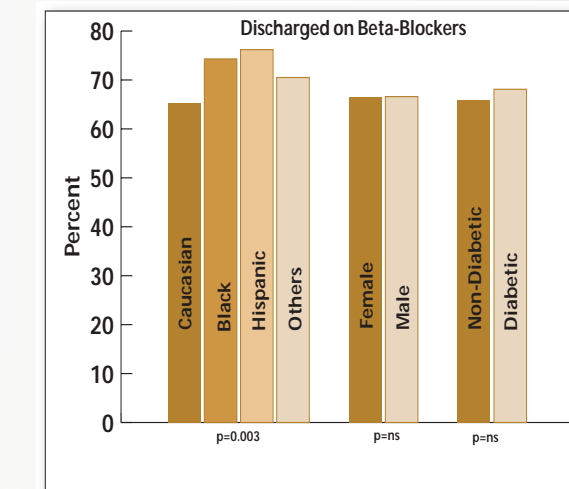
Aspirin



Analysis by

Race p=ns
Gender p =ns
Diabetic Status p = 0.04

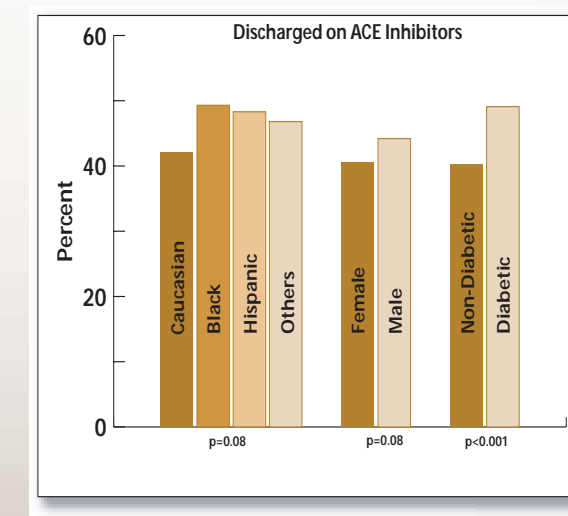
Beta-Blockers



Analysis by

Race p=0.003
Gender p =ns
Diabetic Status p = ns

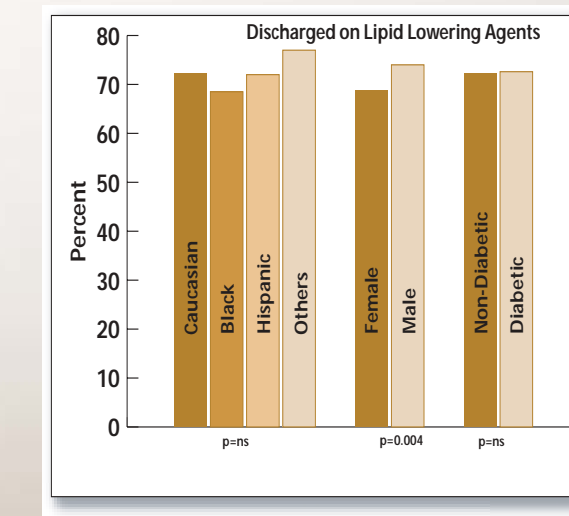
ACE Inhibitors



Analysis by

Race p = ns
Gender p =ns
Diabetic Status p < 0.001

Lipid Lowering Agents



Analysis by

Race p = ns
Gender p =0.004
Diabetic Status p = ns