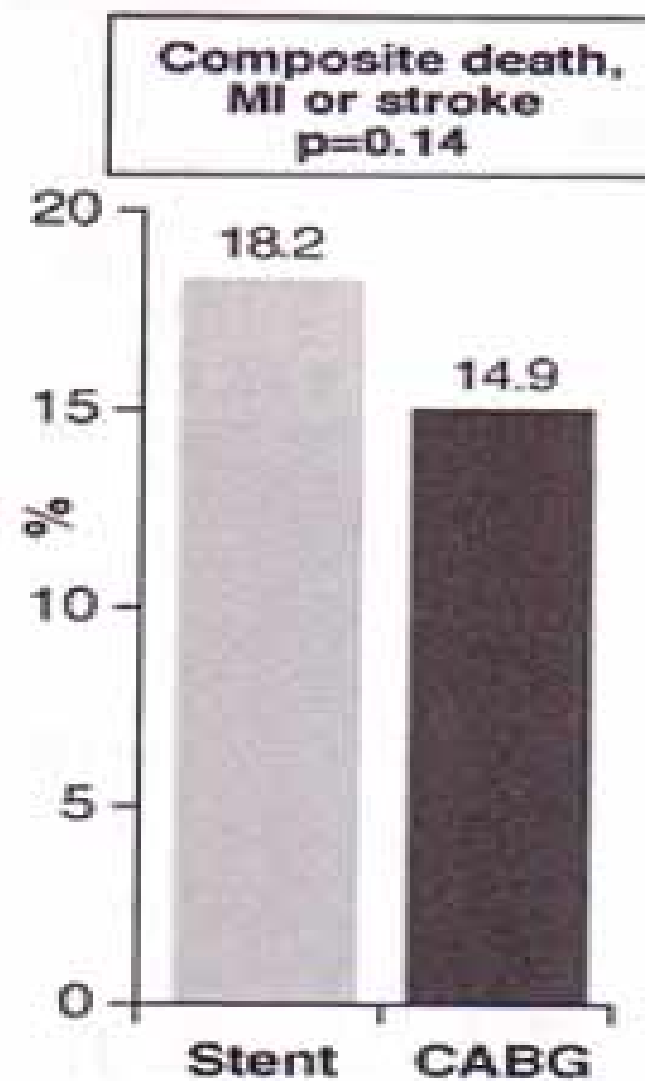
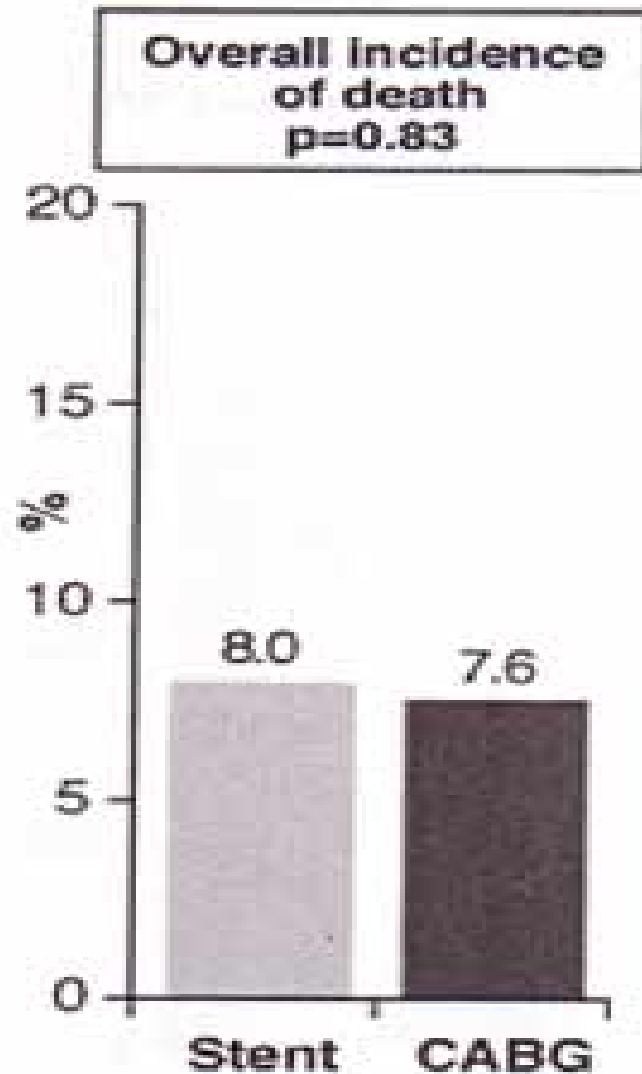


# Arterial Revascularization Therapies Study Part II (ARTS II)

Dr. Yahya Kiwan

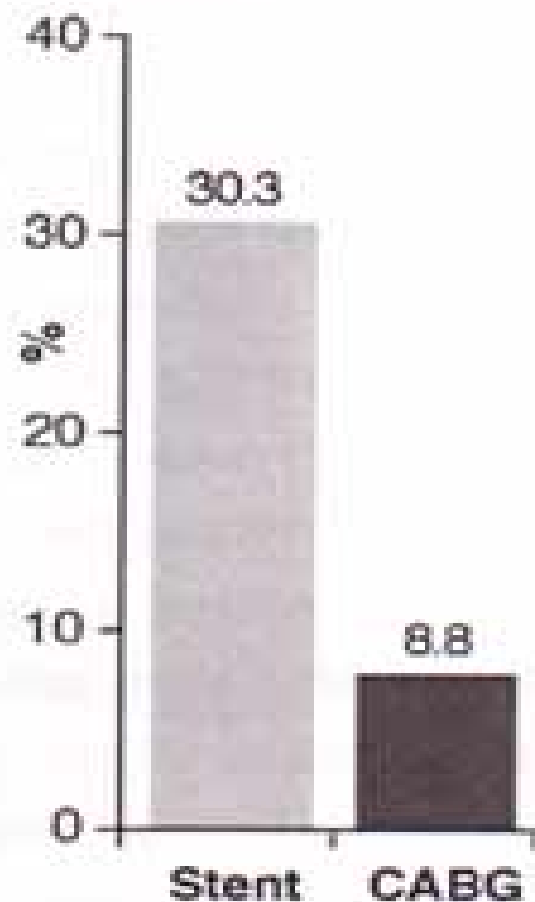
# ARTS I: 5-Year Follow-up



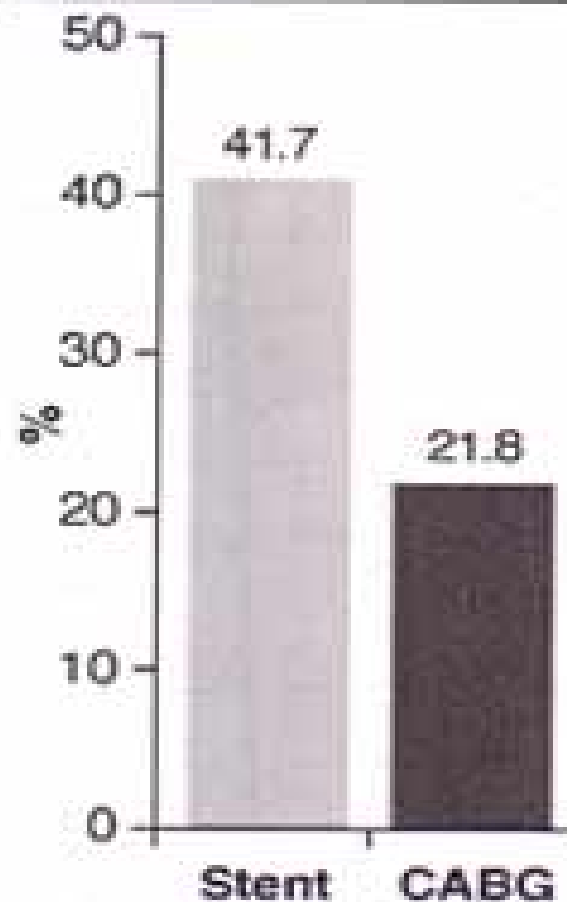
ARTS=Arterial Revascularization Therapies Study; MI=myocardial infarction; CABG=coronary artery bypass graft

# ARTS I: Difference in 5-Year Rate of Major Events Driven by Revascularization Rates

Any revascularization  
 $p < 0.001$



Combined rate of death, MI, stroke, or revascularization  
 $p < 0.0001$



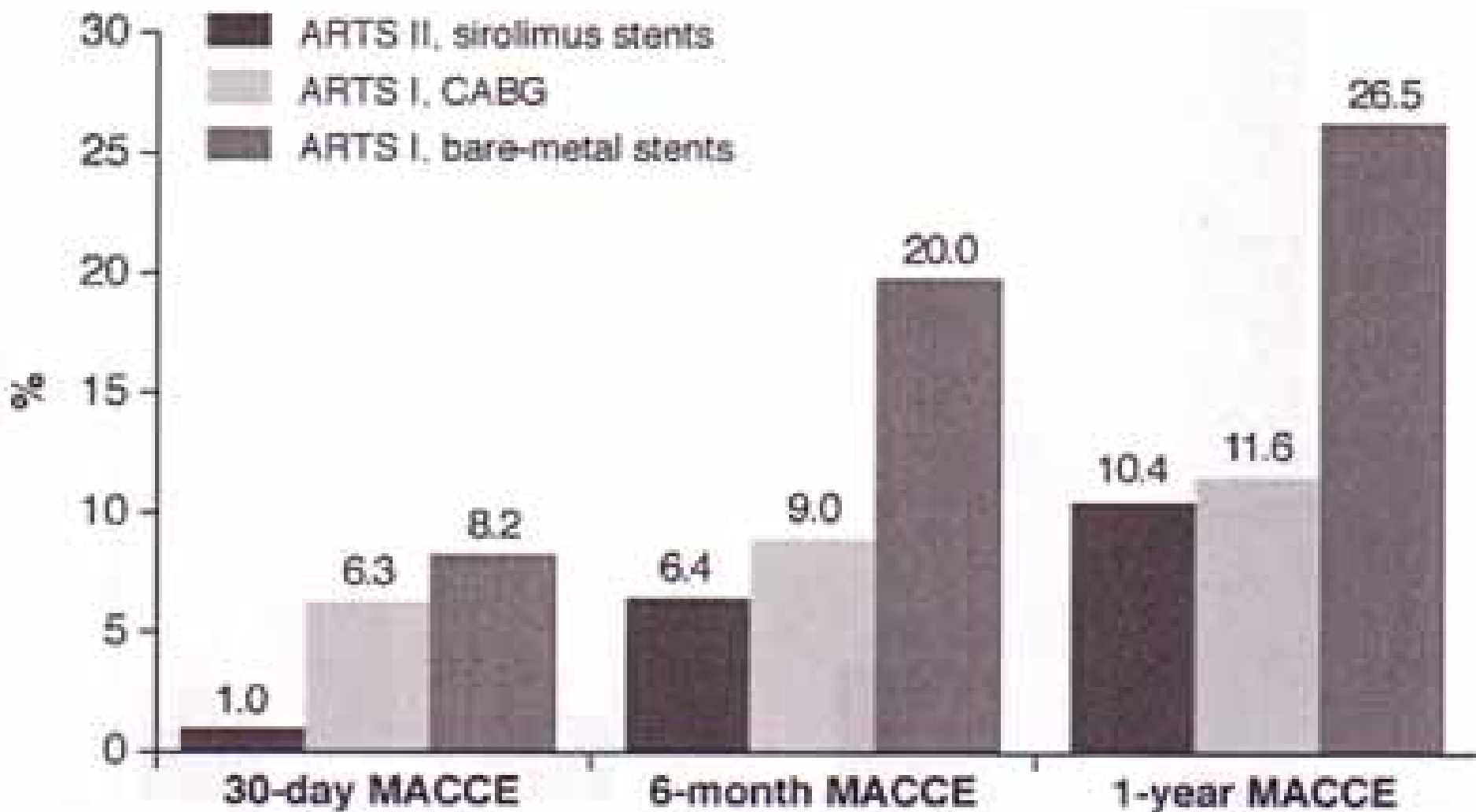
ARTS=Arterial Revascularization Therapies Study; MI=myocardial infarction; CABG=coronary artery bypass graft

## Baseline and Procedural Characteristics: ARTS II vs ARTS I Patients

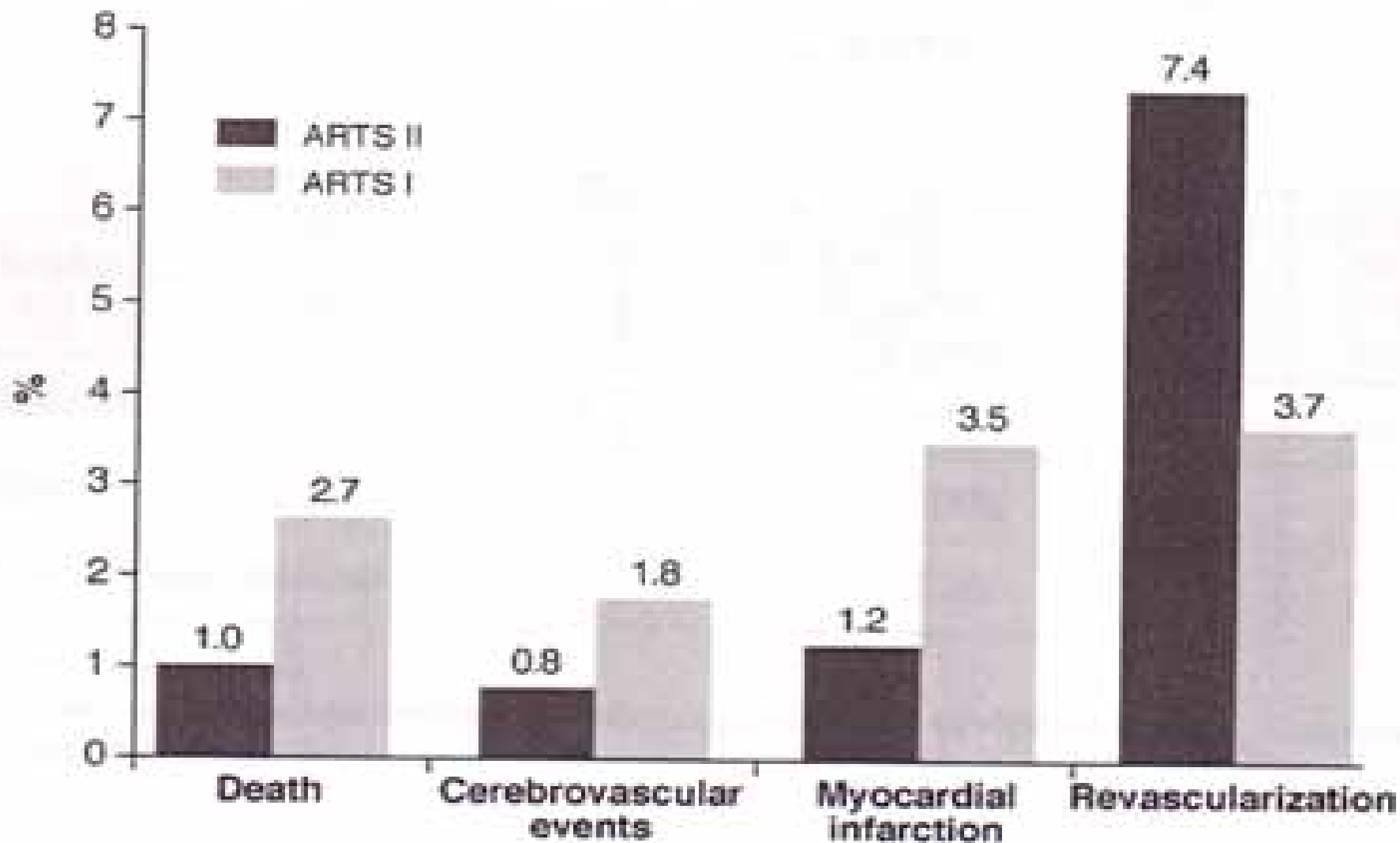
Baseline Characteristics	ARTS II (n=607)	ARTS I	
		CABG (n=605)	PCI (n=600)
Age (years)	62	61	61
Female (%)	77	76	77
Triple-vessel disease (%)	54	33	30
Diabetes (%)	26	16	19
Insulin dependant (%)	4.6	2.6	3.8
Hypertension (%)	67	45	45
Hyperlipidemia (%)	74	58	58
Current smoker (%)	19	26	28
<b>Procedural Characteristics</b>			
GP IIb/IIIa inhibitors (%)	33	0	0
Stent per patient ratio	3.7±1.5	NA	2.8±1.3
CK-MB >5 UNL (%) periprocedural release	1.5	12.7	6.2

CABG=coronary artery bypass graft. PCI=percutaneous coronary intervention. NA=not applicable

## ARTS II MACCE at 30 Days, 6 Months, and 1 Year



## Differences in 1-Year Event Rates for ARTS II Sirolimus-Eluting Stent Patients vs. CABG Arm of ARTS I



## ARTS II: 1-Year Event-Free Survival Rates Compared to ARTS I

Endpoint	ARTS II n=607 (%)	ARTS II vs. ARTS I CABG p value	ARTS I CABG n=602 (%)	ARTS I PCI n=600 (%)
Survival free from death/CVA/MI	96.9	<0.001	92.0	90.7
Survival free from intervention	91.5	0.003	95.9	78.1
Survival free from MACCE*	89.5	0.46	88.5	73.7

\*Primary endpoint

CVA=cerebrovascular accident; MI=myocardial infarction; MACCE=major adverse cardiac and cerebrovascular events

## ARTS Diabetic Subgroup: 12-Month Data

	ARTS II CYPHER® Stent	ARTS I Surgical
Death	2.5%	3.1%
CVA	0.0	5.2%
Myocardial infarction	0.6%	2.1%
MACCE*	15.7%	14.6%

\*Primary endpoint

CVA=cerebrovascular accident; MACCE=major adverse cardiac and cerebrovascular events



# Association of CKD with 3-Year Outcomes after Coronary Revascularization

