

Comparative Effectiveness of Carotid Artery Stenting versus Carotid Endarterectomy in Carotid Artery Stenosis

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By

Andrew Irwin Grace, M.B., B.Ch.

Under the supervision of

Professor doctor

Abubaker Al-Seddik Mostafa Salama

Professor of General and Vascular Surgery
Ain Shams University

Doctor

Wagih Fawzy Abdelmalek

Assistant Professor of General and Vascular Surgery
Ain Shams University

Doctor

Rashad Adly Bishara

Consultant Vascular Surgeon
Head of Department of Vascular Surgery
El-Sahel Teaching Hospital

Ain Shams University
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“As we express our gratitude, we must never forget that the highest appreciation is not to utter words, but to live by them”

John F. Kennedy

And I, hereby, second that saying

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List of abbreviations

ACA	Anterior Cerebral Artery
ACAS	Asymptomatic Carotid Atherosclerosis Study
ACC	American College of Cardiology
ACST	Asymptomatic Carotid Stenosis Trial
ACST-2	Asymptomatic Carotid Surgery Trial
ACT I	Carotid Stenting versus Surgery of Severe Carotid Artery Disease and Stroke Prevention in Asymptomatic Patients
AHA	American Heart Association
CAD	Carotid artery disease
CAPTURE	Carotid ACCULINK/ACCUNET Post-Approval Trial to Uncover Unanticipated or Rare Events
CaRESS	Carotid Revascularization using Endarterectomy or Stenting Systems
CAS	Carotid artery stenting
CASES-PMS	Carotid Artery Stenting with Embolic Protection Surveillance
CAVATAS	Carotid and Vertebral Artery Transluminal Angioplasty Study
CCA	Common carotid artery
CEA	Carotid endarterectomy
CNI	Cranial nerve injury
CNS	Central Nervous System
CTA	Computed Tomographic Angiography
DSA	Digital Subtraction Angiography
DM	Diabetes Mellitus
DSMI	Death, stroke and myocardial infarction
DW-MRI	Diffusion-weighted magnetic resonance imaging
ECA	External carotid artery

ECST	European Carotid Stenosis Trial
ECVD	Extracranial Carotid and Vertebral Artery Disease
EDV	End Diastolic Velocity
EPD	Embolic Protection Device
EVA-3S	Endarterectomy versus Angioplasty in Patients with Symptomatic Severe Carotid Stenosis
FDA	U.S. Food and Drug Administration
HDL	High-density Lipoprotein
ICA	Internal carotid artery
ICST	International Carotid Stenting Study Trial
IHD	Ischemic Heart Disease
ITT	Intension to treat
LDL	Low-density Lipoprotein
MI	Myocardial Infarction
MCA	Middle Cerebral Artery
MDCTA	Multi-detector computed tomography angiography
MRA	Magnetic Resonance Angiography
MRI	Magnetic Resonance Imaging
MT	Medical Treatment
NASCET	North American Symptomatic Carotid Endarterectomy Trial
NTS	Nucleus Tractus Solitarius
PAD	Peripheral artery disease
PROTECT	The Protected Carotid Artery Stenting in Patients at High Risk for Carotid Endarterectomy
PSV	Peak Systolic Velocity
QoL	Quality of life
RCT	Randomized controlled trial
SAH	Subarachnoid haemorrhage
SAPPHIRE	Stenting and Angioplasty with Protection in Patients at High Risk for Endarterectomy
SCAD	Significant carotid artery disease

SCAI	Society for Cardiovascular Angiography and Interventions
SPACE	Stent-Supported Percutaneous Angioplasty of the Carotid Artery versus Endarterectomy
SVS	Society for Vascular Surgery
TIA	Transient ischemic attack
VA	The symptomatic carotid stenosis trial from the Veterans Affairs (VA) Cooperative Studies Program

Introduction and Aim of Work
