

CAROTID ENDARTERECTOMY



Erasmus+

Comorbidities			
	Hypertension	Yes	<input type="checkbox"/>
		No	<input type="checkbox"/>
	Diabetes	Yes	<input type="checkbox"/>
		No	<input type="checkbox"/>
		Oral antidiabetics	<input type="checkbox"/>
		Insulin	<input type="checkbox"/>
	Smoke	Yes	<input type="checkbox"/>
		No	<input type="checkbox"/>
	Coronary artery disease	Yes	<input type="checkbox"/>
		No	<input type="checkbox"/>
		Surgical	<input type="checkbox"/>
		Percutaneous	<input type="checkbox"/>
		Medical	<input type="checkbox"/>
		Treatment	<input type="checkbox"/>
	Chronic kidney failure (dialysis-dependent)	Yes	<input type="checkbox"/>
		No	<input type="checkbox"/>
	Peripheral artery disease	Yes	<input type="checkbox"/>
		No	<input type="checkbox"/>
	Previous radical neck surgery	Yes	<input type="checkbox"/>
		No	<input type="checkbox"/>
	Abnormal thyroid function tests	Yes	<input type="checkbox"/>
		No	<input type="checkbox"/>
	Previous carotid artery intervention	Yes	<input type="checkbox"/>
		No	<input type="checkbox"/>
	Stenting	Right	<input type="checkbox"/>
		Left	<input type="checkbox"/>
	Endarterectomy	Right	<input type="checkbox"/>
		Left	<input type="checkbox"/>
	Eversion	Right	<input type="checkbox"/>
		Left	<input type="checkbox"/>
	Stroke	Yes	<input type="checkbox"/>
		No	<input type="checkbox"/>
6 months > <input type="checkbox"/> 6 months < <input type="checkbox"/>			
Modified Rankin score (mRS):			
0)	No symptoms		
1)	Presence of symptoms, but no significant disability (able to perform all usual daily activities)		
2)	Mild disability (unable to perform some previous activities but can manage personal affairs without assistance)		
3)	Moderate disability (requires some help but can walk unassisted)		
4)	Moderate to severe disability (unable to walk without assistance and cannot attend to own bodily needs without help)		
5)	Severe disability (bedridden, incontinent, and requires constant care)		
6)	Death		

1) PREOPERATIVE DATA

Demographic	
Patient Name	Patient ID
Age	Sex
BMI	

BMI: Body mass index.

Laboratory				
Hemoglobin:	Hematocrit:	Platelet count :	Bleeding time:	
INR:	Total cholesterol:	LDL:	Triglycerides:	
Blood type * A Rh (–) A Rh (+) B Rh (–) B Rh (+) AB Rh (–) AB Rh (+) 0 Rh (–) 0 Rh (+)				
AST:	ALT:	Creatinine:	Urea:	
CRP:	HbA1c:	HDL:		

INR: Internationalized normal ratio; LDL: Low-density lipoprotein; AST: Aspartate transaminase; ALT: Alanine transaminase; CRP: C-reactive protein; HbA1c: Hemoglobin A1c; HDL: High density lipoprotein.

Medical Treatment (Preoperative)			
ASA	Yes		<input type="checkbox"/>
	No		<input type="checkbox"/>
P2y12 inhibitor	Yes		<input type="checkbox"/>
	No		<input type="checkbox"/>
	Ticagrelor		<input type="checkbox"/>
	Clopidogrel		<input type="checkbox"/>
	Prasugrel		<input type="checkbox"/>
Warfarin	Yes		<input type="checkbox"/>
	No		<input type="checkbox"/>
DOAC	Yes		<input type="checkbox"/>
	No		<input type="checkbox"/>
Low molecular weight heparin?*	Yes		<input type="checkbox"/>
	No		<input type="checkbox"/>
Other medicine*	Yes		<input type="checkbox"/>
	No		<input type="checkbox"/>

ASA: American Society of Anesthesiologists; DOAC: Direct oral anticoagulants.

Diagnostic Technique			
	Carotid Doppler ultrasound	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	CT angiography	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	MR angiography	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	Digital subtraction angiography	Yes <input type="checkbox"/>	No <input type="checkbox"/>
CT: Computed tomography; MR: Magnetic resonance.			

Preoperative Symptoms					
	Symptomatic	Yes <input type="checkbox"/>	No <input type="checkbox"/>		
		High cortical dysfunction (aphasia, dysgraphia, apraxia, visual field loss)			<input type="checkbox"/>
		Amaurosis fugax			<input type="checkbox"/>
		Facial/arm/leg motor and sensory impairments			<input type="checkbox"/>
		Transient ischemic attack (TIA)			<input type="checkbox"/>

Degrees of Carotid Artery Stenosis									
	NASCET	Yes <input type="checkbox"/>	No <input type="checkbox"/>						
	ECST	Yes <input type="checkbox"/>	No <input type="checkbox"/>						
	Degrees of stenosis								
		Asymptomatic patient				Asymptomatic patient			
		Right		Left		Right		Left	
		Normal	<input type="checkbox"/>	Normal	<input type="checkbox"/>	Normal	<input type="checkbox"/>	Normal	<input type="checkbox"/>
		<50	<input type="checkbox"/>	<50	<input type="checkbox"/>	<50	<input type="checkbox"/>	<50	<input type="checkbox"/>
		50-69%	<input type="checkbox"/>	50-69%	<input type="checkbox"/>	50-69%	<input type="checkbox"/>	50-69%	<input type="checkbox"/>
		70-99	<input type="checkbox"/>	70-99	<input type="checkbox"/>	70-99	<input type="checkbox"/>	70-99	<input type="checkbox"/>
		Near occlusion	<input type="checkbox"/>	Near occlusion	<input type="checkbox"/>	Near occlusion	<input type="checkbox"/>	Near occlusion	<input type="checkbox"/>
		Total occlusion	<input type="checkbox"/>	Total occlusion	<input type="checkbox"/>	Total occlusion	<input type="checkbox"/>	Total occlusion	<input type="checkbox"/>
		Ipsilateral contralateral				Ipsilateral contralateral			
		Right		Left		Right		Left	
		Normal	<input type="checkbox"/>	Normal	<input type="checkbox"/>	Normal	<input type="checkbox"/>	Normal	<input type="checkbox"/>
		<50	<input type="checkbox"/>	<50	<input type="checkbox"/>	<50	<input type="checkbox"/>	<50	<input type="checkbox"/>
		50-69%	<input type="checkbox"/>	50-69%	<input type="checkbox"/>	50-69%	<input type="checkbox"/>	50-69%	<input type="checkbox"/>
		70-99	<input type="checkbox"/>	70-99	<input type="checkbox"/>	70-99	<input type="checkbox"/>	70-99	<input type="checkbox"/>
		Near occlusion	<input type="checkbox"/>	Near occlusion	<input type="checkbox"/>	Near occlusion	<input type="checkbox"/>	Near occlusion	<input type="checkbox"/>
		Total occlusion	<input type="checkbox"/>	Total occlusion	<input type="checkbox"/>	Total occlusion	<input type="checkbox"/>	Total occlusion	<input type="checkbox"/>

NASCET: The North American Symptomatic Carotid Endarterectomy Trial; ECST: The European Carotid Surgery Trial.

2) OPERATIVE DATA

Treatment			
	Carotid artery stenting:	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	Carotid artery surgery:	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	Medical treatment:	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	Monotherapy:	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	Combined therapy:	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	Acetylsalicylic acid:	<input type="checkbox"/>	
	Clopidogrel:	<input type="checkbox"/>	
	Ticaglerol:	<input type="checkbox"/>	
	Dipirmadol:	<input type="checkbox"/>	
	DOAC:	<input type="checkbox"/>	
	VKA:	<input type="checkbox"/>	
DOAC: Direct oral anticoagulants; VKA: Vitamin K antagonists.			

Surgical Details						
	Endarterectomy	Yes <input type="checkbox"/>	No <input type="checkbox"/>			
	Eversion	Yes <input type="checkbox"/>	No <input type="checkbox"/>			
	Anesthesia	Local <input type="checkbox"/>	General <input type="checkbox"/>			
	Patch	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Saphenous vein	<input type="checkbox"/>	
				Bovine pericardium	<input type="checkbox"/>	
				Dacron	<input type="checkbox"/>	
				Polytetrafluoroethylene	<input type="checkbox"/>	
				Polyester patches	<input type="checkbox"/>	
	Surgical timing in acute patients	14 days< <input type="checkbox"/>	14 days> <input type="checkbox"/>			
	Use of shunt	Yes <input type="checkbox"/>	No <input type="checkbox"/>			
	Cerebral monitoring	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Root pressure	Yes <input type="checkbox"/>	No <input type="checkbox"/>
				NIRS	<input type="checkbox"/>	No <input type="checkbox"/>
				TCD ultrasound	Yes <input type="checkbox"/>	No <input type="checkbox"/>
				EEG	<input type="checkbox"/>	No <input type="checkbox"/>
				SSEP	Yes <input type="checkbox"/>	No <input type="checkbox"/>
					Yes <input type="checkbox"/>	
					Yes <input type="checkbox"/>	
					Yes <input type="checkbox"/>	
	Center or surgeon's experience year (>20 case)	Yes <input type="checkbox"/>	No <input type="checkbox"/>			

NIRS: Near infrared spectroscopy; TCD: Transcranial Doppler; EEG: Electroencephalography; SSEP: Somatosensory and motor evoked potentials.

3) COMPLICATIONS

Peroperative stroke	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Modified Rankin score (mRS)		
Postoperative stroke	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Modified Rankin score (mRS)		
Postoperative hypotension	Yes <input type="checkbox"/>	No <input type="checkbox"/>			
Postoperative hypertension	Yes <input type="checkbox"/>	No <input type="checkbox"/>			
Hematoma at the incision site	Yes <input type="checkbox"/>	No <input type="checkbox"/>			
Infection at the incision site	Yes <input type="checkbox"/>	No <input type="checkbox"/>			
Hyperperfusion syndrome	Yes <input type="checkbox"/>	No <input type="checkbox"/>			
Cranial nerve injury			Recurrent laryngeal nerve <input type="checkbox"/> Glossopharyngeal nerve <input type="checkbox"/> Hypoglossal nerve <input type="checkbox"/> Mandibular branch of the facial nerve <input type="checkbox"/> Spinal accessory nerve <input type="checkbox"/>		
Need for re-intervention	Yes <input type="checkbox"/>	No <input type="checkbox"/>			
Re-intervention	Surgery		Endovascular procedures		

4) LONG TERM FOLLOW-UP

Stenosis	Yes No		
Occlusion	Yes No		
Doppler ultrasound			
CTI			

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