

Electronic Supplementary Material 2

Clinical Practice Variation Needs to be Considered in Cost-Effectiveness Analyses: A Case Study of Patients with a Recent Transient Ischemic Attack or Minor Ischemic Stroke

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References

- [1] Hallan S, Asberg A, Indredavik B, Widerøe TE. Quality of life after cerebrovascular stroke: a systematic study of patients' preferences for different functional outcomes. *J Intern Med.* 1999;246(3):309–16.
- [2] Sullivan PW, Ghushchyan V. Mapping the EQ-5D index from the SF-12: US general population preferences in a nationally representative sample. *Med Decis Making.* 2006;26(4):401–9.
- [3] Buisman LR, Tan SS, Nederkoorn PJ, Koudstaal PJ, Redekop WK. Hospital costs of ischemic stroke and transient ischemic attack in the Netherlands. *Neurology.* 2015;84(22) (in press).
- [4] Buskens E, Nederkoorn PJ, Buijs-Van Der Woude T, et al. Imaging of carotid arteries in symptomatic patients: cost-effectiveness of diagnostic strategies. *Radiology.* 2004;233(1):101–12.
- [5] Struijs JN, Van Genugten ML, Evers SM, et al. Future costs of stroke in the Netherlands: the impact of stroke services. *Int J Technol Assess Health Care.* 2006;22(4):518–24.

Table: Utility values and cost input parameters of the model

Parameter	Value	Source
Utilities		
Baseline (recent TIA or minor ischemic stroke)	0.71	[1]
After minor ischemic stroke	0.66	[1,2]
After major ischemic stroke	0.31	[1]
Costs		
Carotid endarterectomy	€6,836	[3]
Medicines (per year)	€120	Expert opinion
Minor ischemic stroke		[4]
first year	€8,433	
subsequent years (per year)	€1,443	
Major ischemic stroke		[4]
first year	€48,095	
subsequent years (per year)	€28,082	
Fatal ischemic stroke (in year of fatal ischemic stroke)		[5]
Men – aged <65	€6,436	
Men – aged 65-74	€10,505	
Men – aged 75-85	€8,438	
Men – aged >85	€10,278	
Women – aged <65	€7,103	
Women – aged 65-74	€9,644	
Women – aged 75-85	€11,632	
Women – aged >85	€13,992	