

VEITHsymposium 2024 ★ New York

**Consecutive Monocenter Results  
With CAS For Asymptomatic  
Carotid Stenosis:  
We Should Not Need An RCT:  
But Why We Will Still Do ...**

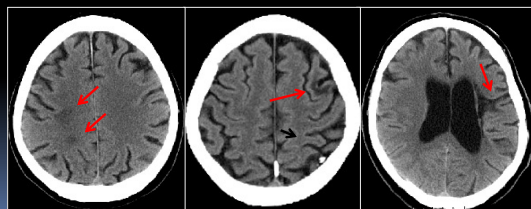


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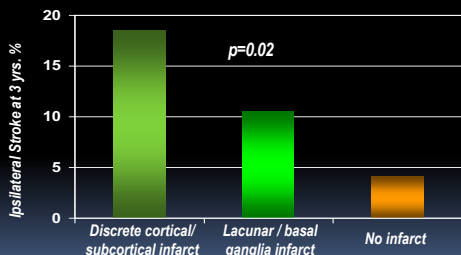
**Nothing to disclose**

**Symptomatic and Asymptomatic  
Lesions:  
That are clinical  
definitions !**

**Asymptomatic patients  
may have suffered  
from clinically silent infarcts.**



**Increased Stroke Risk: Silent Cerebral  
Infarcts (CT)**



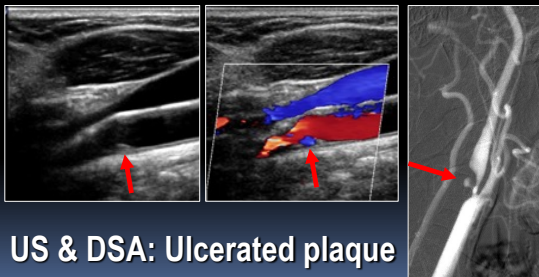
Tegos TJ et al. Int Angiol 2001;20:110-7

**Our Indications for CAS**

- Degree of stenosis >70%
- Vascular lesions of other neck arteries
- Plaque morphology
- No life-shortening co-morbidity
- No dense circular calcification

**Asymptomatic ICA stenosis has an  
annual stroke risk of 1 – 2% despite BMT.**

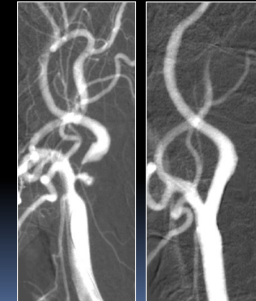
**Asymptomatic ICA Stenosis, but ...**



US & DSA: Ulcerated plaque

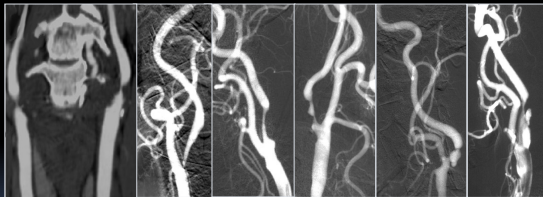
**Asymptomatic ICA Stenosis, but ...**

... irregular ulcerated stenosis: Naturally CAS !



**Asymptomatic patients whom we treated.**

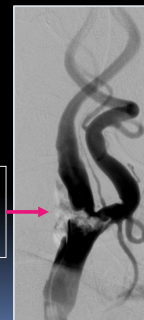
We encountered a variety of different plaques.



Bilateral Stenosis >90%    90% Stenosis    Plaque Burden    Irregular Plaque    Large Ulcer    Extensive Ulceration: Risk of Dissection?

**CAS not performed.**

Severely calcified



**Better CEA!**

Perhaps lithotripsy in the future!

G. S. f-59 yrs.

**CAS not performed.**



Severely elongated

**Better CEA!**

A. H. m-76 yrs. left ICA stenosis

**Own Results (1984-2013) ...**

Patients	5,814
Mean age	73.7 yrs.
Men	3,081
Women	2,733
Success rate (5,738)	98.7%

**Own Results (1984-2013) ...**

TIAs (n=93)	1.6%
Minor Stroke (n=46)	0.8%
Major Stroke	0%
30-d Mortality	0%
Recurrent disease (104)*	1.8%

*\*treated again with CAS*

**Own Results ...**

**Patients (2013-2023) Hamburg**

***Data evaluation still running !***

**Take Home Messages ...**

**Guidelines and RCTs are useful and necessary, but they mirror only the history, not the future of the treatment of asymptomatic carotid artery stenoses.**

- Take Home Messages ...**
- Over the the last 40 years**
- Better devices
  - Cerebral protection
  - More experienced interventionalists
  - Numerous trials

**Take Home Messages ...**



***Don`t touch my neck.  
CAS and BMT are sufficient !***