

SO TEEM

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HAS Report Angioplasty of the Carotid Artery with stenting by arterial punction approach: BIBLE

MAY 2007





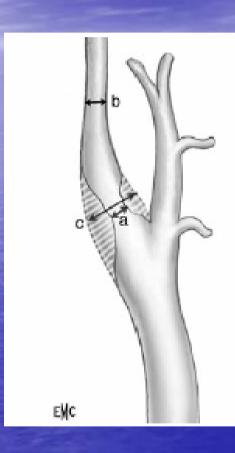


Medline analyze

- > Difference between Studies about:
 - Major evaluation criteria in randomized study which compare surgical and endovascular treatment of carotid stenosis
 - > Definition of neurologic events
 - Carotid artery stenosis symptomatic or asymptomatic or different etiology
 - > Evaluation of degree of stenosis (ECST, NASCET)



NASCET EVALUATION



Méthode de mesure NASCET

% de stènose =
$$\frac{b - a}{b}$$

Méthode de mesure ECST

% de sténose =
$$\frac{c - a}{c}$$



SURGICAL INDICATIONS OF CAROTID ARTERY STENOSIS

- > Symptomatic atherosclerosis stenosis
 - > Between 70% and 99 % (NASCET)
- > Asymptomatic atherosclerosis stenosis
 - ➤ Between 60% and 99% (ACAS, ACST)
- With ITA or VCA surgery < 2 weeks (Nascet)</p>



INDICATION OF ANGIOPLASTY WITH STENT (SPACE) Symptomatic carotid stenosis

- If surgeon do not wish operate for technical or anatomic consideration
- If medico surgical consideration are estimated dangerous:
 - Clinical risk: cardiac insufficiency EF < 30%, respiratory disease, ischemic cardiac disease</p>
 - Hemodynamic risk: contra lateral carotid occlusion
 2 choices surgery+shunt or angioplasty +stent
 - Therapeutic risk: association aspirin + clopidogrel
 ± surgery or angioplasty

INDICATION OF ANGIOPLASTY WITH STENT Asymptomatic Atherosclerosis carotid stenosis

- No indication: no benefit demonstrated by large randomized study
- Only after multidisciplinary approach if surgeon estimate that surgery is not recommended



Carotid artery stenosis post radiation

- > Rare: 3 % of intervention
- > Either Surgery or Angioplasty with stent depend of:
 - > Skin state
 - Life expectancy (carcinologic prognosis)
 - > Multidisciplinary approach



Carotid artery stenosis surgical redo

- Either Surgery or Angioplasty with stent depend of:
 - > Skin state
 - > Life expectancy (carcinologic prognosis)
 - > Multidisciplinary approach
 - > Anatonomical conditions
 - > Neurologic risk
- Angioplasty seem to be an easier approach



The New ENGLAND JOURNAL of MEDICINE CLINICAL DECISIONS

Management of Carotid Stenosis – Polling Results

Autumn Klein, M.D., Ph.D., Caren G. Solomon, M.D., M.P.H., and Mary Beth Hamel, M.D., M.P.H.

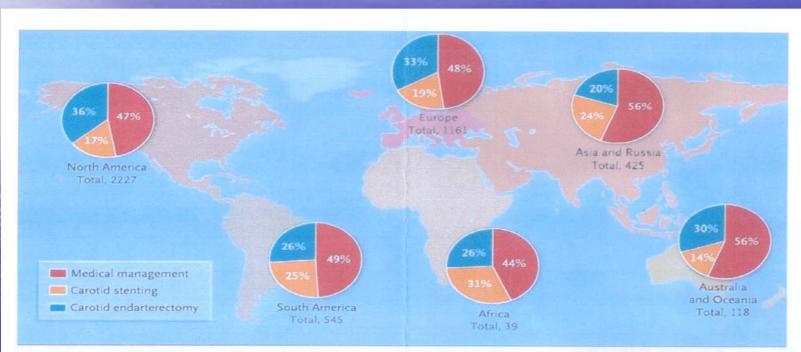


Figure 1. Percentage of Participants Choosing Each Treatment Option for the Management of Carotid Stenosis.

The total number of participants who voted and the percentage who selected each option are shown for each continent or region. The percentages did not vary substantially according to continent or region. An interactive graphic that includes the total numbers of votes and percentages according to country is available at www.nejm.org.



Who's a patient?

- > Patient is potential legal case!
- > Exclude from your vocabulary:
 - > it is easy...,
 - > it is a routine act ...
- > "it is easy = it will earn me loads !!! "
- > "It is tough, you will be the hero!!!"







What's the state of the Art?

A surgeon, a radiologist, a cardiologist is a potential artist who is unaware of himself....

Example: Dr. X operates Mr. Y... of a carotid endarteriectomy under General Anesthesia.

Mr Y wakes up hemiplegic. Dr. X... immediately does an arteriography to verify his anastomosis: it works perfectly

- In Forensic Examination, he says to his patient and especially to the family:
- « Sir I have carried out the operation according to the State of the ART !!!! »

Information?



INFORMATION DU PATIENT DANS LA LOI DU 4 MARS :

18 août 20

- > «Enlighten without causing Worry "
- Art.35 Medical Codes of conduct
 - > Letter to the general practitioner:
- Mr., X... has taken note of the risks and benefits... of the procedure
 - > I have given him a written information
 - > No obligation to make him sign
 - > But evidence of information required
- Radiologist , Cardiologist : liability in two folds
 - > The one who prescribe the act
 - > The one who carries out the act
- Radiologist Pb:large number of acts, short period to act, no Cs examination ...
- Organization +++



What's the state of the Art

> Rules by which we must abide to say that a procedure has been done in the star

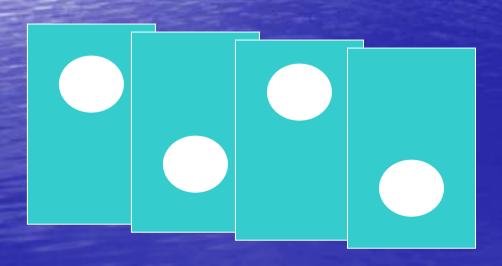
Importance of guidelines, consense multidisciplinary meetings

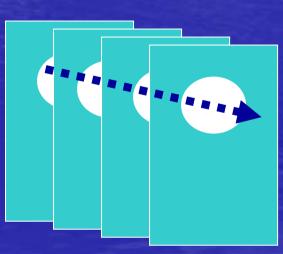
- > the role of knowledge society
- > The importance of writing:
- « the words fly , the written stay »



Reason Theory

- > Plane "theory" aviation
 - > 4 Fire-walls
 - > 4 holes
- > Therapeutic hazard "alea"
- Same year , other team, same attitude, different issue









- > Each Practician have to be evaluate
- > Each practician have to declare risk potential event
- > At the end : Book of good practice



The Pleading of the expert

- > Every practitioner is an empowered artist
- Just like a professional, the expert will evaluate a concrete matter to which he his familiar according to specific guidelines
- > The magistrate will evaluate the loss of chance
- The unique thought doest not exist: « you must always be able to share, your thoughts »



The pleading for an expert

- > The patient, the doctor, the judge, the expert ...
- > The good, the bad, the judge and the ugly
- Every things is possible if we can justify our actions
- > The expert will be grateful to you ...
- > And so will be the medical insurance company



