

Swiss SOS Meeting Lugano 12.02.2016



Ospedale Civico, Aula. 13.45-18.45.

Host: Daniele Valsecchi, Marta Arrighi, Alice Venier, Dominique Kuhlen

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1. Opening remarks
2. Alice Venier/Daniele Valsecchi:
Neurocenter of Southern Switzerland and Neurosurgery of Lugano.
3. Philippe Bijlenga:
Integrated data collection and share platform to facilitate collaboration in the Swiss-SOS group. Remarks on a AneurysmDataBase that could be the future of data collection not only of the Swiss SOS but also other collaborative efforts in Swiss aneurysm research. Remarks on current projects funded by the Swiss Neuro Foundation and their interactions with the Swiss SOS.
4. Donato D'Alonzo:
Does size matter? Analysis of ruptured aneurysms in Switzerland based on the 7mm cutoff. A paper with the Aarau data only is under review and the project is going to be repeated on the Swiss SOS data.

Loss of consciousness (LOC) in SAH and its impact on neuropsychological outcome. This project is the idea of Serge Marbacher, inspired by the group from Stephan Mayer that published a recent paper on this subject in JAMA. The project proposes to use the detailed neuropsychological outcome battery to analyze the impact of LOC on detailed outcome. This project is judged as well possible, but the Aarau group needs to come up with a detailed definition of LOC and parameters that they want to measure (time of LOC?). This project needs to be performed prospectively. It will be mentioned in the Ethics Approval of the Neuropsychology study (NOSAH) by Martin Stienen, so no separate ethics approval will be necessary.

5. Daniel Zumofen:

Endovascular vs. surgical treatment: evaluation of rebleeding, recurrence, and pretreatment rate. The importance of a more comprehensive assessment of aneurysm type, shape, and location is stressed. This will be considered in the prospective data collection, also awaiting eagerly the definitions of the Common Data Elements group that will be published soon. As there were some parallels of the topics presented by Dr. Zumofen and Dr. Maduri (both dealing with age), these two will sort out together who will report which data on age. In general, Dr. Zumofen's project deals with age in general, and Dr. Maduri's project deals with aneurysms of the posterior circulation, taking age as a co-variable into account. Thus, there should be no double-publication issue.

6. Rodolfo Maduri:

Comparison of endovascular and neurosurgical treatment in ruptured posterior fossa aneurysms: results from the Swiss national database (Swiss SOS). This project looks on the pattern of care of aneurysms of the posterior circulation in Switzerland. The ICA-Pcom and Pcom, as well as P2 are counted as posterior circulation. The group suggests to specifically look at management of aneurysms of the posterior fossa, in particular those of the PICA. As already mentioned above, Dr. Maduri will be in contact with Dr. Zumofen to make sure that his analyses differ from each other.

7. Marta Arrighi/Daniele Valsecchi:

Nimodipine Proposal.

The need for a renewed evaluation of nimodipine as a means of preventing ischemia post SAH was discussed. A retrospective evaluation in light of the different operating procedures (no nimodipine in Aarau, Geneva, Lugano vs. the other 5 centers) could offer the possibility of a simple comparison as a basis for potential future prospective efforts. P. Bijlenga mentioned an ongoing effort in collaboration with Berlin.

8. Nico Maldaner:

Proposal to assess CTA reading accuracy of SAH and aneurysm characteristics for interobserver validity. The proposal was welcomed. P. Bijlenga proposed using a software platform as opposed to CD distribution. The Zurich group will organize a means of distribution to at least two persons per center (usually the PI of each center will be responsible contact person for Dr. Maldaner). It was proposed to use a random sample of 30 aneurysms from the current list of aneurysms treated in Zürich.

9. Martin Stienen:

Presentation of the evolution of Swiss SOS from its beginnings until now. The focus was on data collection and emphasis on completion of missing data in order to provide the first 5-year

release. Progress of the neuropsychology study (NOSAH) is presented. The website is highlighted that is supposed to improve transparency among all groups, also concerning the projects. All projects that are proposed and accepted by the group should be announced to Dr. Stienen in order to put them on the website (including co-authors).

10. Christian Fung:

remarks on the general ethics proposal

request to await final data release and submission of initiation paper prior to further project submission

importance of keeping track of used datasets and uniformity for potential future inquiries

Central data management.

11. Closing remarks by Valsecchi

All presentations are available for download under the following link:

<https://www.dropbox.com/sh/ixr3760u10sphdw/AAB1jKcHAfxUZKuX76hjLyeka?dl=0>