

# International Certification in Neurosonology (ESNCH, NSG/WFN)

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*Procedure of the practical examination*

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## Key features of the practical examination

- 1) **Maximum Total Investigation Time:** 30 minutes
  - 2) **The protocol is realizable in ALL volunteer subjects** (*independent of vessel pathologies or transtemporal window*)
  - 3) **The practical examination consists of TWO parts, which both must be completed successfully to pass the exam**
- **Part 1** includes **basic parts of neurosonography** that should be (1) *safely conducted by EVERY candidate* and (2) *examinable in ALL volunteer subjects*.
- ⊙ **Passing-Threshold: 80%** (32 of 40 points)  
**Maximum Investigation Time for Part 1:** 20 Minutes

### Only if Part 1 is passed successfully Part 2 is tested:

- **Part 2** includes **neurosonographic findings** that might be *more DIFFICULT to detect (vessel stenosis/occlusion)*  
According to the vessel status of the volunteer subject **ONE Part 2 protocol** must be chosen by the examiner (two protocols are offered)
- ⊙ **Passing-Threshold: 70%** (7 Points)  
**Maximum Investigation Time:** 10 Minutes

**If Part 2 is also passed successfully the candidate receives the International Certification in Neurosonology.**

**Annotations:**

- *If a candidate conducts a potentially harmful activity during the examination (such as missing mechanical index adjustment in orbital artery examination, etc.), the exam is stopped immediately and NOT passed successfully. The examiners will state the cause in the comments section of the practical examination test protocol.*
- *The examination protocol is published at the ESNCH homepage to allow every candidate to prepare for the examination: Protocols must be conducted by every candidate WITHOUT instructions. Candidates are only told by the examiner, which protocol should be conducted!*