

Appendix 3: Diving Medical Exam Overview for The Examining Physician

To the examining physician:	
This person,	, requires a medical examination to assess their fitness for
certification as a Scientific Diver fo	or Texas A&M University - San Antonio . Their answers on the
Diving Medical History Form (attack	hed – Appendix 4) may indicate potential health or safety risks
as noted. Your evaluation is request	ted on the attached SCUBA Diving Fitness Medical Evaluation
Report. If you have questions about	diving medicine, you may wish to consult one of the references
on the attached list or contact one of the physicians with expertise in diving medicine whose names $$	
and phone numbers appear on an a	ttached list, the Undersea Hyperbaric and Medical Society, or
the Divers Alert Network. Please co	ontact the undersigned Diving Safety Officer if you have any
questions or concerns about diving	medicine or the diving standards at Texas A&M University -
San Antonio. Thank you for your ass	sistance.
Diving Safety Officer	Date
Printed Name	Phone Number

SCUBA and other modes of compressed-gas diving can be strenuous and hazardous. A special risk is present if the middle ear, sinuses, or lung segments do not readily equalize air pressure changes. The most common cause of distress is eustachian insufficiency. Recent deaths in the scientific diving community have been attributed to cardiovascular disease. Please consult the following list of conditions that usually restrict candidates from diving. (Adapted from Bove, 1998)

Conditions which may disqualify candidates from diving:

Note: bracketed numbers are pages in Bove,1998

- I. Abnormalities of the tympanic membrane, such as perforation, presence of a monomeric membrane, or inability to autoinflate the middle ears. [5, 7, 8, 9]
- 2. Vertigo, including Meniere's Disease. [13]
- 3. Stapedectomy or middle ear reconstructive surgery. [II]
- 4. Recent ocular surgery. [15, 18, 19]
- 5. Psychiatric disorders including claustrophobia, suicidal ideation, psychosis, anxiety states, untreated depression. [20 23]
- 6. Substance abuse, including alcohol. [24 25]
- 7. Episodic loss of consciousness. [1, 26, 27]





TEXAS A&M UNIVERSITY-SAN ANTONIO

Dive Program

- 8. History of seizure. [27, 28]
- 9. History of stroke or a fixed neurological deficit. [29, 30]
- 10. Recurring neurologic disorders, including transient ischemic attacks. [29, 30]
- II. History of intracranial aneurysm, other vascular malformation or intracranial hemorrhage.

 [31]
- 12. History of neurological decompression illness with residual deficit. [29, 30]
- 13. Head injury with sequelae. [26, 27]
- 14. Hematologic disorders including coagulopathies. [41, 42]
- 15. Evidence of coronary artery disease or high risk for coronary artery disease. [33 35]
- 16. Atrial septal defects. [39]
- 17. Significant valvular heart disease isolated mitral valve prolapse is not disqualifying. [38]
- 18. Significant cardiac rhythm or conduction abnormalities. [36 37]
- 19. Implanted cardiac pacemakers and cardiac defibrillators (ICD). [39, 40]
- 20. Inadequate exercise tolerance. [34]
- 21. Severe hypertension. [35]
- 22. History of spontaneous or traumatic pneumothorax. [45]
- 23. Asthma. [42 44]
- 24. Chronic pulmonary disease, including radiographic evidence of pulmonary blebs, bullae, or cysts. [45, 46]
- 25. Diabetes mellitus. [46 47]
- 26. Pregnancy. [56]

Selected references in diving medicine

Available from Best Publishing Company, P.O. Box 30100, Flagstaff, AZ 86003-0100, the Divers Alert Network (DAN) or the Undersea and Hyperbaric Medical Society (UHMS), Durham, NC

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TEXAS A&M UNIVERSITY-SAN ANTONIO

Dive Program

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