

APPENDIX 8.A

DIVING MEDICAL EXAM OVERVIEW FOR THE EXAMINING PHYSICIAN

TO THE EXAMINING PHYS	ICIAN:			
, req	uires a medical	examination to assess	fitness for diver status with Tex	as A&M
University-Corpus Christi's o				
Applicant is applying	for:	Scientific Diving	Working Diving	
This examination is:		Initial exam	Re-examination	
noted. Your evaluation is requestions of a general naturattached list or contact one cappear on the attachment as	quested on the e about diving r of the physician s well (Attachm erns about the	attached Diving Fitnes medicine, you may wish s with expertise in divinent 3). Please contact Fexas A&M University-	may indicate potential health or s Medical Evaluation Report. If a to consult one of the reference medicine whose names and put the undersigned Diving Safety Corpus Christi dive program or to	you have es on the ohone numbers Officer if you
Diving Safety Officer:	Larry Lloyd		7/16/20	
Biving early emeer.	(Print name)		(Date)	
	- Fari		` ,	
		g John	361-438-6594	
	(Signature)		(Telephone)	
(Adapted from Bove, 1998: In Abnormalities of the tympa inflate the middle ears. [5, Vertigo including Meniere's Stapedectomy and middle Recent ocular surgery. [15]	nic membrane, s 7,8,9] s disease. [13] ear prosthesis.	uch as perforation, prese): nce of monomeric membrane, or in	ability to auto-
Psychiatric disorders include Substance abuse, including Episodic loss of conscious History of seizure. [27-28]	ding, claustropho g alcohol. [24-25 ness. [1, 26, 27]	5]	chosis, anxiety states depression.	[20-23]
History of stroke or neurolo Recurring neurologic disor History of intracranial aneu History of neurological dec Head injury with sequelae.	ders, including transported transported transported to the compression sicks [26-27]	ansient ischemic attack. [ular malformation, or intra ness with residual deficit.	acranial hemorrhage. [31]	
Hematological disorders in Evidence of coronary arter Arterial septal defects. [39	y disease or high		isease. [33-35]	
Significant valvular heart d Significant cardiac rhythm Implanted cardiac pacema Inadequate exercise tolera	isease – isolated or conduction ab kers and cardiac	normalities. [36-37]		
Severe hypertension. [35] History of spontaneous or Asthma. [42-44]		othorax. [45]		
	e, including radio	graphic evidence of pulmo	onary blebs, bullae, or cysts. [45-46	5]



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

Elliott, D.H. ed. 1996. Are Asthmatics Fit to Dive? Kensington, MD: Undersea and Hyperbaric Medical Society.

Bove, A. A. 2011. The cardiovascular system and diving risk. Undersea and Hyperbaric Medicine 38(4): 261-269.

Thompson, P. D. 2011. The cardiovascular risks of diving. Undersea and Hyperbaric Medicine 38(4): 271-277.

Douglas, P.S. 2011. Cardiovascular screening in asymptomatic adults: Lessons for the diving world. Undersea and Hyperbaric Medicine 38(4): 279-287.

Mitchell, S. J., and A. A. Bove. 2011. Medical screening of recreational divers for cardiovascular disease: Consensus discussion at the Divers Alert Network Fatality Workshop. Undersea and Hyperbaric Medicine 38(4): 289-296.

Grundy, S. M, Pasternak, R., Greenland, P., Smith, S., and Fuster, V. 1999. Assessment of Cardiovascular Risk by Use of Multiple-Risk-Factor Assessment Equations. AHA/ACC Scientific Statement. Journal of the American College of Cardiology, 34: 1348-1359. http://content.onlinejacc.org/cgi/content/short/34/4/1348

Bove, A. A. and Davis, J. 2003. DIVING MEDICINE, Fourth Edition. Philadelphia: W.B. Saunders Company.

Edmonds, C., Lowry, C., Pennefather, J. and Walker, R. 2002. DIVING AND SUBAQUATIC MEDICINE, Fourth Edition. London: Hodder Arnold Publishers.

Bove, A. A. ed. 1998. MEDICAL EXAMINATION OF SPORT SCUBA DIVERS, San Antonio, TX: Medical Seminars, Inc.

NOAA DIVING MANUAL, NOAA. Superintendent of Documents. Washington, DC: U.S. Government Printing Office.

U.S. NAVY DIVING MANUAL. Superintendent of Documents, Washington, DC: U.S. Government Printing Office, Washington, D.C.



APPENDIX 8.B MEDICAL EVALUATION REPORT OF FITNESS FOR DIVING

Name of Applicant (Print/Type)	Date (Day/Month/Year)

TO THE PHYSICIAN:

This person is an applicant for training or is presently certified to engage in diving with self-contained underwater breathing apparatus (scuba). This activity puts unusual stress on the individual in several ways. Your opinion of the applicant's medical fitness is requested. Scuba diving requires heavy exertion. The diver must be free of cardiovascular and respiratory disease. An absolute requirement is the ability of the lungs, middle ear, and sinuses to equalize pressure. Any condition that risks the loss of consciousness should disqualify the applicant.

TESTS:

Please initial that the following tests were completed.

All Initial and Periodic Re-examination tests are to be completed in their entirety. If they fall between the Initial and Periodic Re-examinations the extent of tests and lab requirements are to be at the discretion of the examining physician and are to be at a level equal to that of basic annual health maintenance physical. Please check tests performed.

Laboratory Requirements For Evaluations and Intervals	Scie	entific Diver		Worl Div	
Age	<40	40 - 60	>60	<35	≥35
Frequency	5 yrs.	3 yrs.	2 yrs.	2 yrs.	1 yr.
Medical History	Χ	X	X	X	X
Physical, emphasis on neurological/otological components.	Χ	X	X	X	X
Urinalysis	Χ	X	X	X	X
Any further tests deemed necessary by the physician. Chest X-ray (NOTE: not required for Scientific periodicity,	Χ	X	Χ	Χ	Χ
only Working Divers)		Х	X	X	X
EKG: standard (12 Leads)		Χ	Χ	Χ	Χ
Coronary Assessment using Multi=Risk-Factor Assessment (age, lipid, blood pressure, diabetic screening, smoker).		Х	Х	Χ	X
Spirometry				X	X
Audiogram				X	X
Visual Acuity and Color Blindness Complete Blood Count (CBC) and Chemistry				Χ	X
Must include Hematocrit, Hemoglobin, & White Blood Cell count.				X	Χ

¹ Grundy, R. J. et al. 1999. Assessment of Cardiovascular Risk by Use of Multiple-Risk-Factor Assessment Equations". AHA/ACC Scientific Statement.

² Bove, A. A. 2011. The cardiovascular system and diving risk. Undersea and Hyperbaric Medicine. 38(4): 261-269

PHYSICIANS STATEMENT:		
Diver IS medically qualified to dive on:	Scientific status for:	2 years (over age 60)3 years (age 40-59)5 years (under age 40)
	Working status for:	2 years (under age 35) 1 year (over age 35)
Diver IS NOT medically qualified to dive:	Permanently	Temporarily
REMARKS:		
I have evaluated the abovementioned individual acc medical standards and required tests for scientific di medical conditions that may be disqualifying for part any medical condition(s) that would not disqualify his subsequent health. The patient understands the na- conditions. NOTE: Evaluating physicians MUST be a	iving (Sec. 6.00 and Appendix 1) icipation in scuba diving. I have m/her from diving but which may ture of the hazards and the risks	and, in my opinion, find no discussed with the patient seriously compromise involved in diving with these
Signature		
Name (Print/Type)		Title (MD/DO, NP)
Address		
Telephone Number	Date (month/day/	year)
My familiarity with applicant is: This exam of Other (describe):		an Number of years.
My familiarity with diving medicine is:		
APPLICANT'S RELEASE OF MEDICAL INFORMAT	TION FORM	
Name of Applicant (print or type)	_	
I authorize the release of this information and all me my diving to Texas A&M University-Corpus Christi's		
Signature of Applicant		ar)



APPENDIX 8.C

DIVING MEDICAL HISTORY FORM

(TO BE COMPLETED BY APPLICANT-DIVER)

Name	Sex	Age W	Vt	Ht
Sponsor	Texas A&M University – Corpus Christi		Date	
,	(Facility etc.)			(Day/Month/Year)

TO THE APPLICANT

Diving makes considerable demands on your physical and emotional condition. Diving with certain medical conditions may be asking for trouble, not only for yourself but also for anyone coming to your aid if you get into difficulty in the water. Therefore, it is prudent to meet certain medical and physical requirements before beginning a diving or training program.

Your answers to the questions are as important, in many instances, in determining your fitness as what the physician may see, hear, or feel when you are examined. Obviously, you should give accurate information or the medical screening procedure becomes useless.

This form will be kept confidential. If you believe any question(s) amounts to invasion of your privacy, you may elect to omit an answer, provided you discuss the matter with the physician; and they must then indicate, in writing, that you have done so and that no health hazard exists.

If your answers indicate a condition(s) that might make diving hazardous, you will be asked to review the matter with your physician. In such instances, their written authorization will be required in order for further consideration to be given your application. If your physician concludes that diving would involve undue risk for you, remember that they are concerned only with your well-being and safety. Respect this advice and the intent of this medical history form.

Yes	No	Please indicate whether or not the following apply to you	Comment
1		Convulsions, seizures, or epilepsy	
2		Fainting spells or dizziness	
3		Been addicted to drugs	
4		Diabetes	
5		Motion sickness or sea/air sickness	
6		Claustrophobia	
7		Mental disorder or nervous breakdown	
8		Are you pregnant?	
9		Do you suffer from menstrual problems?	
10		Anxiety spells or hyperventilation	
11		Frequent sour stomach, nervous stomach, or vomiting spells	
12		Had a major operation	



			Texas A&M Univers	sity – Corpus Christi.
	Yes	No	Please indicate whether or not the following apply to you	Comment
13			Presently being treated by a physician	
14			Taking any medication regularly (even non-prescription)	
15			Been rejected or restricted from sports	
16			Headaches (frequent and severe)	
17			Wear dental plates	
18			Wear glasses or contact lenses	
19			Bleeding disorders	
20			Alcoholism	
21			Any problems related to diving	
22			Nervous tension or emotional problems	
23			Take tranquilizers	
24			Perforated ear drums	
25			Hay fever	
26			Frequent sinus trouble, drainage from the nose, post-nasal drip, or stuffy nose	
27			Frequent earaches	
28			Drainage from the ears	
29			Difficulty with your ears in airplanes or on mountains	
30			Ear surgery	
31			Ringing in your ears	
32			Frequent dizzy spells	
33			Hearing problems	
34			Trouble equalizing pressure in your ears	
35			Asthma	
36			Wheezing attacks	
37			Cough (chronic or recurrent)	
38			Frequently raise sputum	
39			Pleurisy	
40			Collapsed lung (pneumothorax)	



	Yes	No	Please indicate whether or not the following apply to you	Comment
41			Lung cysts	
42			Pneumonia	
43			Tuberculosis	
44			Shortness of breath	
45			Lung problem or abnormality	
46			Spit blood	
47			Breathing difficulty after eating particular foods, after exposure to particular pollens or animals	
48			Are you subject to bronchitis	
49			Subcutaneous emphysema (air under the skin)	
50			Air embolism after diving	
51			Decompression sickness	
52			Rheumatic fever	
53			Scarlet fever	
54			Heart murmur	
55			Large heart	
56			High blood pressure	
57			Angina (heart pains or pressure in the chest)	
58			Heart attack	
59			Low blood pressure	
60			Recurrent or persistent swelling of the legs	
61			Pounding, rapid heartbeat or palpitations	
62			Easily fatigued or short of breath	
63			Abnormal EKG	
64			Joint problems, dislocations or arthritis	
65			Back trouble or back injuries	
66			Ruptured or slipped disk	
67			Limiting physical handicaps	

Signature of Applicant



68		No	Please indicate whether or not the following apply to you	Comment
			Muscle cramps	
69			Varicose veins	
70			Amputations	
71			Head injury causing unconsciousness	
72			Paralysis	
73			Have you ever had an adverse reaction to medication?	
74			Do you smoke?	
75			Have you ever had other medical problems not listed? If so, please list or describe below;	
76			Is there a family history of high cholesterol?	
77			Is there a family history of heart disease or stroke?	
78			Is there a family history of diabetes?	
79			Is there a family history of asthma?	
80			Date of last tetanus shot? Vaccination dates?	
ease	explain	ı "yes" t	to any of the above questions.	

Date (Day/Month/Year)



APPENDIX 8.D RECOMMENDED PHYSICIANS WITH DIVING MEDICINE EXPERTISE

Divers Alert Network
Duke University Medical Center
P.O. Box 3823
Durham, North Carolina 27710
OFFICE: 919-684-2948