I have indexed the "You’re the Flight Surgeon" (YTFS), "Clinical Problems in Aviation Medicine" (CPAM), "Cases From The Aerospace Medicine Residents' Teaching File" (AMRTF), "Aeromedical Grand Rounds" (AGR), "Topics in Aeromedical Certification" (TAC), "Cases from CAMI" (FAA Civil Aerospace Medical Institute Aerospace Medical Certification Division) columns, and other articles discussing the aeromedical disposition of particular clinical conditions in the journal of the Aerospace Medical Association through December 2015.

The CPAM series published 14 article from September 1961 to November 1963 from Mayo Clinic. The first YTFS article was in January 1975 and continues to the present. YTFS articles before August 1990 are not indexed in PubMed; and prior to April 1989 no authors were listed. The AMRTF series published 80 numbered cases from October 1984 through 2004. Case number 5 I cannot find in PubMed or the AsMA index. The AGR series published 19 articles from November 1993 through December 1996. The TAC series published 21 articles from January 1998 to August 2001. The CAMI series published 19 articles from June 2006 through September 2008.

In the clinical and review articles I not did not include retrospective reviews or prospective incidence studies of a population; mishap or inflight incapacitation review; specific medication review, unless it was in the context of a clinical condition; and non-aviation environments (including parachuting, diving) and passenger- and aeromedical evacuation- related conditions. Some of the articles in CPAM, YTFS, AMRTF, AGR, TAC, and CAMI may include articles not dealing directly with aviators; all in those series are included for completeness. Many article are titled with "Clinical Problems in Aviation Medicine" but not numbered as part of the CPAM series are include in the general clinical article classification. Most articles are indexed under one system/subsystem index; a few articles that clearly covered two or more specific topics were so indexed; eg, acceleration stress causing pneumothorax.

I have indexed the condition discussed by general body system, with aeromedical, cancer, traumatic, and toxic also listed as systems. The categories are listed alphabetically: aeromedical, allergic, cancer, cardiovascular, dermatologic, endocrine, otolaryngologic (ENT), exam, gastroenterologic, general, hematologic, infectious, musculoskeletal, neurologic, ophthalmic, psychologic, pulmonary, renal, rheumatologic, toxic, traumatic, and urologic. Most categories are divided into subsystems listed alphabetically, and then specific topics listed alphabetically. Then the articles are listed chronologically.

I abbreviated the text in titles "You're the Flight Surgeon," "Cases from the aerospace medicine residents' teaching file," “Aeromedical Grand Rounds,” and “Topics in Aeromedical Certification” as YTFS, AMRTF, AGR, and TAC to make the index more readable. Several articles had no text after YTFS or AMRTF; the condition is entered in [brackets] in the title. The AGR series did not include the text "Aeromedical Grand Rounds" before the title; I used "AGR" to indicate the series in the index. From 1962 to 1976, many clinical articles were supra-titled "Clinical problems in aviation medicine" and "Clinical aviation and aerospace medicine" but re not part of the numbered CPAM series.

I have omitted the journal name for space considerations. From 1930 it is The Journal of Aviation Medicine, in 1959 changed to Aerospace Medicine, in 1975 changed to Aviation, Space, and Environmental Medicine, and in 2015 changed to Aerospace Medicine and Human Performance. From 1930 to 1942 there were four issues per year; from 1943 to 1957 six per year; and since then twelve per year.

I plan to include the author's affiliation (military service or civilian) and treatment (if relevant) in the future. I also plan to indicate if an article is a case report or review articles. Please contact for errors or ideas.

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YOU'RE THE FLIGHT SURGEON

AEROMEDICAL GRAND ROUNDS

FROM THE AEROSPACE MEDICINE RESIDENTS' TEACHING FILE

TOPICS IN AEROMEDICAL CERTIFICATION

Editor's Note:
We are pleased to introduce a new category of articles in this journal: "Topics in Aeromedical Certification." The bulk of the articles will likely be submitted by colleagues from the Federal Aviation Administration and we greatly appreciate their efforts. The military services are also welcome to submit topics under this category regarding interesting or problematic certification cases which would be informative to the reader.

G. Richard Holt, M.D., Editor-in-Chief

Clinical Problems in Aviation Medicine

Editor's Note: Aerospace Medicine is establishing a new section to present, on a scheduled monthly basis, Clinical Problems in Aviation Medicine encountered in pilots and other members of the aircrew. Dr. Jan H. Tillisch and Dr. Earl T. Carter of the Mayo Clinic will present these problems in the form of Case Reports. It is hoped that the presentation and solution of clinical problems will be of practical value to the readers of the Journal and will serve to supplement the increasing number of excellent case studies appearing with greater frequency in the Journal. If you approve (or disapprove) of this section, I shall be pleased to receive your comments.

John P. Marbarger, Editor
Aeromedical

Acceleration stress


Cerebrovascular accident

Cerebrovascular accident subsequent to G-force loading: A case report. 1979 Apr;50(4):399-400.

G-induced loss of consciousness


Low G-tolerance

AMRTF: Low G-tolerance presenting as insomnia. 2002 Jul;73(7):713-4

Psychogenic G-force intolerance


Spontaneous pneumothorax


Tonic-clonic seizure


Aeromedical transport

Aeromedical evacuation


Aeromedical transport


Age

Age effects

The effect of age on flying. 1934 Sep;5(3):80-95.

Airsickness

Airsickness


Recurrent airsickness


Simulator sickness


Altitude

Acute mountain sickness


Altitude effects


Altitude hypoxia

YTFS: [Altitude hypoxia]. 1977 Sep;48(9):889.

Altitude medicine


High-altitude cerebral edema

AMRTF: An aviator with high attitude pulmonary and cerebral edema presenting acute mountain sickness. 1991 Jun;62(6):593-4
High-altitude pulmonary edema

AMRTF: An aviator with high altitude pulmonary and cerebral edema presenting acute mountain sickness. 1991 Jun;62(6):593-4

Hyberbaric oxygen therapy


Oxygen paradox


ARMA

Aeronautical adaptability

The role of aeronautical adaptability in the disqualification of a military flyer. 2006 Nov;77(11):1188–1192.

Personality


Psychologic exam


Barotrauma

Barotitis media


Middle ear block

YTFS: [Middle ear block]. 1975 Nov;46(11):1418.

Pulmonary barotrauma


Decompression illness

Arterial gas embolism


Decompression sickness

YTFS: [Decompression sickness]. 1988 Dec;59(12):1209.
AMRTF: Complicated diagnosis of visual disturbance and recurrent left hand paresthesias in an aviator. 2000 Dec;71(12):85-7

Neurologic decompression sickness

YTFS: [Neurological decompression sickness]. 1975 Sep;46(9):1197.
AMRTF: Decompression sickness. 2000 Dec;71(12):1252-3

**Pulmonary decompression sickness**

**Type I decompression sickness**
AMRTF: Type I decompression sickness and acute awareness of physiologic blind spot. 1986 May;57(5):482-5

**Fatigue**

*Aircrew fatigue*

*Circadian desynchrony*

**Fatigue**

*Jet lag*

**General**

*Aeromedical decision making*
YTFS: The flight surgeon is the key component in ensuring the aviation population is physically and mentally fit to fly. 2004 Nov;75(11):1009-11.

*Aeromedical history*

*Preventive medicine*
YTFS: [Various preventive medicine topics]. 1980 May;51(5):527.

*Space medicine*

*Travel medicine*

*Various*

**Hyperventilation**

*Hyperventilation*

**Mishap**

*Aircraft mishap*

*Crash survival*
YTFS: [Crash survival]. 1986 Oct;57(10):1012.
Disaster response

Mishap investigation

Mishap rate

Mishap response

Mishaps and fatalities

Vertebral fracture

Motivation

Adjustment disorder

Failing aviator

Fear of flying
Flying and danger, joy and fear. 1986 Dec;57(12):131-6.

Flying phobia

Malingering

Post traumatic stress disorder

Night vision

Night vision imaging system incompatibility
AMRTF: Night vision imaging system incompatibility. 1986 Feb;57(4):186-8

Spatial disorientation

Alternobaric vertigo
Clinical aviation and aerospace medicine: Vertigo due to increased middle ear pressure: Six-year experience of the aeromedical consultation service. 1971 Sep;42(9):999-1001.
AMRTF: [Alternobaric vertigo]. 1990 Jun;61(6):582-3

Coriolis illusion

False climb sensation
YTFS: [False climb sensation at night]. 1975 Mar;46(3):323.

Spatial disorientation
YTFS: [Spatial disorientation]. 1975 May;46(5):747.
YTFS: [Spatial disorientation]. 1981 Sep;52(9):566.

**Visual illusions**


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**Allergic**

*Allergic fungal sinusitis*


*Anaphylactoid reaction*


*Idiopathic urticaria*


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**Insect allergy**

*Hymenoptera hypersensitivity*

Case report of an aviator with a single episode of altered consciousness due to hymenoptera hypersensitivity. 1999 Nov;70(9):1113-6.

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**Cancer**

**Adrenal gland**

*Myelolipoma*


**Bladder**

*Bladder cancer*


*Transitional cell papillary carcinoma*


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**Brain**

*Cerebral lymphoma*


*Intracranial neoplasm*


*Prolactinoma*


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**Childhood**

*Childhood malignancies*


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**Colon**

*Colon adenocarcinoma*

AMRTF: Hypoxia. 1995 Dec;66(12):1215-6

*Colon cancer*


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**Head and neck**

*Head and neck cancer*


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**Kidney**

*Renal cell carcinoma*

AMRTF: Renal cell carcinoma in an aviator with a long history of renal lithiasis. 1990 Feb;61(2):183-6
Leukemia

*Chronic lymphocytic leukemia*

AMRTF: An aviator with chronic lymphocytic leukemia. 1986 Nov;57(11):1109-11
AMRTF: Hypoxia. 1995 Dec;66(12):1215-6

*Multiple myeloma*


Lung

*Anaplastic bronchogenic carcinoma*


*Lung cancer*


*Lymphoma*

*Hodgkin's lymphoma*


*Non-Hodgkin lymphoma*


*Nasopharyngeal*

*Nasopharyngeal carcinoma*


*Pancreas*

*Pancreatic carcinoma*


*Pituitary gland*

*Pituitary tumor*


*Prostate*

*Prostate cancer*

Prostate cancer. 2006 Sep;77(9):984–986.
YTFS: Prostate cancer, erectile dysfunction, and seizure. 2009 Jul;80(7):670-1.
YTFS: Prostate cancer. 2012 Sep;83(9):918-9.

*Testes*

*Metastatic embryonal carcinoma of the testicle*


*Testicular cancer*

YTFS: [Testicular cancer]. 1989 May;60(5):474-5.

*Thymus*

*Thymic carcinoma*


*Thyroid gland*

*Hürthle cell carcinoma*


*Papillary thyroid carcinoma*

Cardiovascular

**Thyroid cancer**

**Cardiovascular**

**Abnormal ECG**

*Abnormal ECG*
ECG and thallium imaging abnormalities with normal coronary angiogram in a male flight surgeon. 2006 Jul;77(7):749–752.

**Cardiac rhythm**

*Abnormal ECG*

*Abnormal stress ECG*

*Accelerated idioventricular rhythm*
AMRTF: An air traffic controller with syncope and accelerated idioventricular rhythm. 1988 Feb;59(2):183-5

*Arrhythmogenic right ventricular dysplasia*

*Atrial fibrillation*
AMRTF: Atrial fibrillation. 2002 Apr;73(4):408-10
Atrial fibrillation presented with syncope in a jet pilot during daily briefing on squadron. 2014 Sep;85(9):965–9.


*Brugada syndrome*

*Cardiac arrest*

*Cardiac asystole*

*Complete heart block*

*First degree heart block*

*Left anterior hemiblock*

*Left axis deviation*
Left bundle branch block
AMRTF: New left bundle block on screening exam. 1986 Apr;57(4):381-3

Multifocal premature ventricular contractions

Premature ventricular contractions
AMRTF: An airline captain with a presenting sign of some premature ventricular contractions. 1985 Mar;56(3):271-4

Right bundle branch block
Clinical significance of acquired complete right bundle branch block in 59 patients without overt cardiac disease. 1969 Sep;40(9):967-71.

Secondary R' waves
AMRTF: Secondary R' waves on initial electrocardiogram in a commissioned officer. 1987 Jun;58(6):613-6
Letter to the Editor: AMRTF Case #18. 1988 Jul;59(7):685

Sick sinus syndrome
AMRTF: Sick sinus syndrome. 1988 May;59(5):458-9

Supraventricular arrhythmia
AMRTF: A fighter pilot with a single left frontal lobe infarction and probable mitral valve prolapse and supraventricular arrhythmias. 1988 Oct;59(10):994-6

Supraventricular tachycardia

Ventricular fibrillation

Ventricular tachycardia

Wide complex tachycardia

Wolff-Parkinson-White pattern

Wolff-Parkinson-White syndrome
Heart

Asymmetric septal hypertrophy

Atrial septal defect

Cardiac anthracycline toxicity

Cardiomyopathy

Congenital heart disease

Dextrocardia
Isolated dextrocardia in a commercial pilot candidate. 2005 Feb;76(2):137–140.

Endocarditis

Hypertrophic cardiomyopathy

Hypertrophic subaortic stenosis
TAC: Thick hearted: Idiopathic hypertrophic subaortic stenosis is known to place individuals at increased risk of sudden cardiac death-a case report. 1999 Jan;71(1):81-2.

Idiopathic cardiomegaly

Idiopathic dilated cardiomyopathy

Intracardiac foreign body

Left ventricular hypertrophy

Myocardial sarcoidosis

Myocarditis
AMRTF: Case report of an aviator with focal myocarditis mimicking myocardial infarction with normal coronaries. 2002 Dec;73(12):1235-7

Patent foramen ovale
AMRTF: Transient ischemic attack in an aviator with patent foramen ovale and Factor V Leiden. 2003 Dec;74(12):1303-5
Migraine headaches and cerebrovascular accident secondary to patent foramen ovale. 2007 May;78(5):530–531.

Ventricular diverticulum
Hypertension

Angiotensin converting enzyme inhibitors

Hypertension
YTFS: [Hypertension and jaw fixation in traveller]. 1975 Jan;46(1):93.
YTFS: [Hypertension]. 1978 Apr;49(4):646.
YTFS: [Hypertension]. 1990 Sep;61(9):867-8.
YTFS: [Herbal supplement use]. 1999 Sep;70(9):934-5.

Pre-hypertension
YTFS: A hyperlipidemic, prehypertensive pilot--when do you take the cholesterol and blood pressure by the horns? 2009 Sep;80(9):832-4.

Ischemia

Abnormal thallium test
ECG and thallium imaging abnormalities with normal coronary angiogram in a male flight surgeon. 2006 Jul;77(7):749–752.

Coronary artery disease
Diagnosis of coronary artery disease. 1950 Dec;21(6):448-55.
AMRTF: Benign positional vertigo and coronary artery disease. 1985 Nov;56(11):1118-20
AMRTF: Hypoxia. 1995 Dec;66(12):1215-6

Myocardial infarction
Myocardial infarction in a young aviator. 1940 Jun;11(2):75-80.
YTFS: Acute myocardial infarction 2013 Dec;84(12):1310-1.
Silent myocardial infarction

Lymphatics
Lymphedema
 Peripheral edema
AMRTF: Symmetrical peripheral edema in a 33-year-old Army aviator. 1993 Nov;64(11):1055-6

Syncope
Carotid sinus syndrome
Cough syncope
YTFS: [Cough syncope]. 1999 Sep;70(9):933-4.
Stagnant hypoxia

Syncope
AMRTF: An air traffic controller with syncope and accelerated idioventricular rhythm. 1988 Feb;59(2):183-5

Vasovagal presyncope
Vasovagal syncope
AMRTF: A flyer with syncope. 1992 Dec;63(12):1118-9

Thrombosis
Axillary vein thrombosis

Deep vein thrombosis

Hyperhomocysteinemia

Pulmonary embolism
YTFS: Pulmonary embolism. 2012 Dec;83(12):1192-4.

Valve
Aortic insufficiency

Aortic stenosis
Clinical aviation and aerospace medicine: Idiopathic subvalvular aortic a case report in a pilot. 1972
Feb;43(2):200-3.

Bicuspid aortic valve
YTFS: Bicuspid aortic valve with mild aortic insufficiency and mild left ventricular enlargement. 1996
Dec;67(12):1204-5.
Mar;68(3):221-4.

Mitral regurgitation

Mitral valve prolapse
AMRTF: A fighter pilot with a single left frontal lobe infarction and probable mitral valve prolapse and
supraventricular arrhythmias. 1988 Oct;59(10):994-6
Military aviators with mitral valve prolapse: Long-term follow-up and aeromedical endpoints. 2007
Sep;78(9):845–851.

Pulmonic stenosis

Valve replacement

Vessel
Aortic aneurysm

Carotid artery dissection

Congenital absence right pulmonary artery

Cystic medial necrosis
In-flight incapacitation and cystic medial necrosis. 2013 Sep;84(9):990–4.

Iliac artery occlusion

Patent ductus arteriosus

Raynaud's phenomenon

Renal infarction

Takayasu's arteritis

Venous angioima
**Dermatologic**

**Erythema multiforme**

**Erythema nodosum**
YTFS: [Sarcoidosis]. 1989 Jul;60(7):718.

**Henoch-Schöenlein purpura**
YTFS: Henoch-Schöenlein purpura. 2007 May;78(5):532-3.

**Paronychia**
YTFS: Paronychia. 1999 Dec;70(12):1238.

**Pemphigus vulgaris**

**Pityriasis rosea**

**Psoriasis**

**Tinea incognito**

**Cancer**

**Melanoma**
AMRTF: An aviator with a pigmented skin lesion. 1991 Jul;62(7):694-6
YTFS: Melanoma. 2005 Sep;76(9):900-1.
Primary cutaneous malignant melanoma. 2008 Sep;79(9):919–21.

**Skin cancer**

**Dermatitis**

**Allergic contact dermatitis**

**Atopic dermatitis**

**Contact dermatitis**
Contact dermatitis to flight gloves. 1964 Jan;35(1):70-1.

**Occupational dermatitis**

**Endocrine**

**Adrenal**

**Addison's disease**

**Adrenal insufficiency**
YTFS: [Iatrogenic adrenal insufficiency]. 1985 Dec;56(12):1231.

**Pheochromocytoma**
Bone

Osteopenia

Calcium

Asymptomatic hypercalcemia
AMRTF: A student pilot presents with asymptomatic hypercalcemia during his initial class I physical. 1991 Feb;62(2):180-1

Diabetes mellitus

Diabetes mellitus
Case reports. 1935 Sep;6(3):95-7.
Diabetes mellitus type 1 in five military aviators: Flying with insulin. 2005 Sep;76(9):861–862.

Diabetic hypoglycemia

Hyper-/hypo-glycemia

Pre-diabetes

General

Autoimmune polyglandular syndrome type 2

Hypokalemic periodic paralysis

Pituitary microadenoma

Lipid

Dyslipidemia
YTFS: [Dyslipidemia]. 1980 Sep;51(9):942.
Lipid lowering therapy and military aviators. 1996 Sep;67(9):867-71.

Hyperlipidemia
AMRTF: Hypercholesterolemia and heme positive stools in a 69-year-old aviator. 1992 Sep;63(9):839-40
YTFS: A hyperlipidemic, prehypertensive pilot--when do you take the cholesterol and blood pressure by the horns? 2009 Sep;80(9):832-4.

Parathyroid

Primary hyperparathyroidism

Testes

Congenital male hypogonadism
Hypogonadism

Thyroid
Hypothyroidism

Thyroiditis
YTFS: [Thyroiditis]. 1993 Dec;64(12):1154.

Thyroid gland
Elevated thyroxine-binding globulin

Hyperthyroidism

ENT
Ear
Cholesteatoma

Eustachian tube dysfunction

Perforated tympanic membrane

Ear, inner
Acoustic neuroma
AMRTF: An aviator with acoustic neuroma. 1984 Dec;55(12):1151-3
AMRTF: Complicated diagnosis of left ear pain and facial weakness in an aviator. 1996 Aug;67(8):787-9

Autoimmune inner ear disease

Labyrinthine dysfunction
YTFS: Labyrinthine dysfunction. 2011 Sep;82(9):926-7.

Labyrinthitis
YTFS: [Vestibular neuritis]. 1989 Jan;60(1):89.
AMRTF: A pilot with vestibular neuritis. 1995 Sep;66(9):903-4

Ménière's disease

Perilymph fistula
AMRTF: An aircrewman with a perilymph fistula. 1988 Nov;59(11 Pt 1):1106-8

AMRTF: An aviator with acoustic neuroma. 1984 Dec;55(12):1151-3
AMRTF: Complicated diagnosis of left ear pain and facial weakness in an aviator. 1996 Aug;67(8):787-9
AMRTF: A difficult differentiation between idiopathic perilymph fistula and psychosomatic dizziness and unsteadiness. 1989 Mar;60(3):277-9

**General**

Allergic rhinitis

Ear, nose and throat conditions

Horner's syndrome

**Hearing loss**

Hearing loss

Noise-induced hearing loss

**Mouth**

Pneumoparotitis

Uvulopalatoplasty

Vocal cord paralysis

**Sinus**

Aerosinusitis

Allergic sinusitis

Barosinusitis
- AMRTF: An aircrewman with acute barosinusitis is presented. 1989 Apr;60(4):374-6

Common cold

Frontal sinus hematoma

Haller cell mucocele

Nasal polyps

Recurrent frontal sinus barotrauma

Sinus barotrauma

Sinus polyp

Sinusitis
- Recurrent sinusitis and impairment of eustachian tube function in air passengers and crew. 1990 Jul; 61:662-5.
Sphenoid sinus pneumocele

Sphenoid sinusitis

Teeth
Barodontalgia

Bruxism

Jaw fixation
YTFS: [Hypertension and jaw fixation in traveller]. 1975 Jan;46(1):93.

Vertigo

Vertigo
Benign paroxysmal positional vertigo
AMRTF: Benign positional vertigo and coronary artery disease. 1985 Nov;56(11):1118-20

Chronic disequilibrium

Vertigo

Exam
Cardiovascular
Blood pressure
Vasomotor factors as applied to the selection of applicants for flying training. 1936 Mar;7(1):12-17.

Electrocardiograph
The place of the electrocardiograph in examination for flying. 1939 Mar;10(1):31-43.
Some limitations of the electrocardiogram in the physical examination for flying. 1942 Mar;13(1):26-35.
Electrocardiography in the selection of aircrew members. 1956 Jun;27(3):221-5.

General
Examination of the heart in pilots. 1933 Dec;4(4):136-45.
Schneider index
Fatigue - its relation to and the value of the Schneider index. 1937 Mar;8(1):30-6.

Form
British

French

German

General
AAC-British RAF

Civilian

Europe

FAA

General

Great Britain
The medical examination of civilian aviators in Great Britain. 1930 Sep;1(3):103-21.

Jet flight
The role of physical standards in jet and rocket aircraft flight. 1958 Sep;29(9):631-40.

Military / DoC

Occupational
The measurement of physiological values in industry. 1930 Dec;1(4):237-94.

South Africa

US
Physical standards for aircraft pilots tentative revision. 1935 Jun;6(2):35-44.
Tentative revision of physical standards for aircraft pilots (continued). 1935 Sep;6(3):71-94.

Hearing
Hearing

Neurologic
Various
The role of neurology in determining one's physical fitness for flying. 1933 Sep;4(3):74-90.

Psychological
Various
Physical examination of aviators including notes on psychiatry and personality tests. 1931 Mar;2(1):23-8.

Screening
Screening tests
YTFS: [Screening tests]. 1986 May;57(5):487.

Vision
Army
Ocular requirements for flying in the U. S. Army. 1933 Sep;4(3):106-10.

Depth perception
Human factors in the visual examination of aviators. 1946 Feb;17(1):100-3.

General

Glaucoma

Motility
Refraction

US

Various

Gastroenterologic

Colon
Adenomatous polyposis
Total colectomy with mucosal proctectomy and ileoanal anastomosis--An important surgical option in the aviator with premalignant disease of the colon. 1983 Dec;54(12):1119-1122.

Chronic appendicitis

Crohn's disease

Diverticulitis
YTFS: Acute diverticulitis. 2002 Sep;73(9):934-5.

Flatus

Ulcerative colitis

Esophagus
Achalasia

Eosinophilic esophagitis

Esophageal leiomyoma

Reflux esophagitis

Gall bladder
Cholecystitis

Cholelithiasis

Primary sclerosing cholangitis

General
Heme positive stools
AMRTF: Hypercholesterolemia and heme positive stools in a 69-year-old aviator. 1992 Sep;63(9):839-40

Hemidiaphragmatic paralysis
Sorbitol diarrhea
AMRTF: A case of "unbearable" gremlinenteritis. 1994 May;65(5):432-3

Intestine

Calcified omental hematoma

Celiac disease

Duodenal ulcer

Irritable bowel syndrome
YTFS: Irritable bowel syndrome. 2014 Sep;85(9):973-5.

Meckel's diverticulum

Ischemia

Acute gastrointestinal hemorrhage

Liver

Elevated transaminase
YTFS: A flyer with elevated LFTs. 2007 Apr;78(4):442-3.

Hepatic hemangioma

Hereditary hemochromatosis

Hyperbilirubinemia
AMRTF: Hyperbilirubinemia. 1989 Aug;60(8):817-8

Sarcoidosis

Mouth

Dysguesia

Leukoplakia

Pancreas

Acute pancreatitis

Spleen

Splenosis

Stomach

Duodenal ulcer
AMRTF: An aviator with acute upper gastrointestinal hemorrhage secondary to a duodenal ulcer. 1987 Aug;58(8):820-1

H. pylori positive peptic ulcer disease

Peptic ulcer disease

Upper gastrointestinal bleeding

General
Statistics

Diet
Atkins diet
Nutritional supplements
Supplements

Exercise
Exercise prescription
Physical activity

Medication
Immunizations
YTFS: [Immunizations]. 1982 May;53(5):508.
Medication side effects
Nerve agent prophylaxis

Overweight
Overweight
YTFS: [Herbal supplement use]. 1999 Sep;70(9):934-5.
Co-morbid conditions in overweight and obese airmen: Trends and aeromedical implications. 2007 Jul;78(7):702–705.

Smoking
Smoking cessation program
Smoking cessation therapy

Gynecologic
Cervix
Cervical intraepithelial neoplasia

Hormone cycle
Depot contraceptive use
YTFS: [Depot contraceptive use]. 1985 Dec;56(12):1231.
Luteal phase deficiency
Menstrual irregularity

Pregnancy
Pregnancy
YTFS: Abdominal pain that has lasted 3 days. 1993 Jan;64(1):82-3.

Uterus
Asherman's disease

Benign cystic teratoma

Endometriosis

Hematologic

Anemia

Hemolytic anemia

Microangiopathic hemolytic anemia

Pernicious anemia

Coagulopathy
Activated protein C resistance

Congenital dysfibrinogenemia
Axillary vein thrombosis and congenital dysfibrinogenemia in a commercial pilot: A case report. 2003 Sep;74(9):981-4.

Factor V Leiden
AMRTF: Transient ischemic attack in an aviator with patent foramen ovale and Factor V Leiden. 2003 Dec;74(12):1303-5

Hemoglobin
Beta-thalassemia
YTFS: Sickle cell trait and beta-thalassemia. 1997 Mar;68(3):244-5.

Hypoxemia
YTFS: [Hemoglobin oxygen association]. 1977 Sep;48(9):889.

Methemoglobinemia
AMRTF: A special operations person with methemoglobinemia is discussed, with attention to operation of nuclear weapons. 1989 May;60(5):465-6

Sickle cell trait
YTFS: Sickle cell trait and beta-thalassemia. 1997 Mar;68(3):244-5.

Iron
Hemochromatosis
Platelet

Essential thrombocytosis

Idiopathic thrombocytopenic purpura

Thrombocytopenia

Polycythemia

Polycythemia

Secondary polycythemia

Infectious

Bacteria

Bartonellosis
YTFS: [Malaria, schistosomiasis, bartonellosis, anisakiasis]. 1986 Jan;57(1):89.

Campylobacter enteritis

Chancroid

Chlamydial infection

Cholera

Ehrlichiosis

Gonococcal arthritis
Case reports. 1935 Sep;6(3):95-7.

Legionnaires' disease

Plague

Rocky Mountain spotted fever

Staphylococcal sepsis

Toxic epidermal necrolysis

Fungus

Coccidioidomycosis
AMRTF: Primary pulmonary coccidioidomycosis. 1991 Dec;62(12):1200-2
Coccidioidomycosis--the airborne assault continues: An unusual presentation with a review of the history, 

Histoplasmosis

Malaria

Falciparum malaria
AMRTF: A pilot with Falciparum malaria. 1996 Sep;67(9):896-8

Malaria
YTFS: [Malaria, schistosomiasis, bartonellosis, anisakiasis]. 1986 Jan;57(1):89.

Malaria chemoprophylaxis

Mycobacteria

Active pulmonary tuberculosis

Latent tuberculosis

Scrofula

Tuberculosis
YTFS: [Tuberculosis]. 1997 Sep;68(9):866-867.

Parasite

Amebiasis

Amoebic dysentery

Anisakiasis
YTFS: [Malaria, schistosomiasis, bartonellosis, anisakiasis]. 1986 Jan;57(1):89.

Chagas disease

Giardiasis

Hookworm infection
YTFS: [Hookworm infection]. 1997 Jul;68(7):609-610.

Intestinal nematode infection
Lymphatic filariasis

Schistosomiasis
YTFS: [Malaria, schistosomiasis, bartonellosis, anisakiasis]. 1986 Jan;57(1):89.

Strongyloidiasis

Toxoplasmosis
AMRTF: Chorioretinitis due to toxoplasmosis. 2003 Jun;74(6 Pt 1):683-6

Visceral leishmaniasis

Spirochete

Leptospirosis

Lyme disease

Syphilis
YTFS: [Syphilis]. 1983 Dec;54(12):1136.

Tertiary syphilis
Case reports. 1935 Sep;6(3):95-7.

Various

Disinsection

Sexually transmitted infection
YTFS: [Sexually transmitted infection]. 1983 Nov;54(11):1053.

Travel-related infectious disease

Various

Virus

AIDS

Dengue fever

Genital herpes

Hand, foot, and mouth disease

Hepatitis A
YTFS: [Hepatitis A]. 1988 May;59(5):460-1.

Hepatitis C
Herpes simplex
YTFS: [Herpes simplex virus infection]. 1990 Dec;61(12):1165-6.

Herpes zoster

Measles
YTFS: Modified measles in a commercial/reserve component pilot. 2006 Dec;77(12):1294-5.

Mumps

Rabies

Sandfly fever

Smallpox vaccination

Varicella

Viral hepatitis

Musculoskeletal

Amputation
Amputation

Arm prosthesis

Ankle
Achilles tendonitis
YTFS: [Running overuse injuries]. 1988 Feb;59(2):188.

Arm
Lateral epicondylitis

Radial nerve neuropraxia
YTFS: A 29-year-old F-16 pilot in your Air National Guard unit has just returned from combat survival training and presents to your clinic with complaints about his left arm. 1993 Jun;64(6):572.

General
Exercise rhabdomyolysis

Sports medicine

Hand
Fingertip crush injury
Ganglion cyst
  YTFS: [Hand mass]. 1989 Dec;60(12):1231-2.

Metacarpal fracture

Hip
  Hip replacement

Joint replacement
  Return to flight status following total hip replacement: A case report. 2002 Jul;73(7):709-12.

Knee
  Chondromalacia patellae
    YTFS: [Running overuse injuries]. 1988 Feb;59(2):188.

Osteochondritis dissecans

Leg
  Osteosarcoma

Tibial tendonitis
  YTFS: [Running overuse injuries]. 1988 Feb;59(2):188.

Shoulder
  Clavicle fracture
    YTFS: [Clavicle fracture]. 1993 Sep;64(9):868-9.

Shoulder weakness

Supraspinatus muscle tear

Supraspinatus tendinitis

Spine
  Vertebral fracture

Spine, cervical
  Avulsion fracture of C5
    Letter to the Editor: AMRTF Case #16. 1988 Jul;59(7):685-6

Cervical degenerative joint disease and total disc arthroplasty

Cervical herniated nucleus pulposis

Cervical intervertebral disc protrusion

Cervical radiculopathy

Neck pain

Scalenus anticus / cervical rib syndrome
Spine, lumbar

**Acute low back pain**

YTFS: Acute low back pain. 2015 Sep;86(9):842-5.

**Lumbar disc prolapse**


**Lumbar herniated nucleus pulposis**


**Lumbar radiculopathy**


**Lumbar spinal stenosis**


**Lumbar vertebral fracture**


**Sacroiliitis**


Spine, thoracic

**Vertebral compression fracture**

AMRTF: An aviator with multiple compression fractures of the spine secondary to high speed ejection. 1987 Apr;58(4):379-81

**Vertebral fracture**


Neurologic

**Loss of consciousness**


Brain

**Chiari-1 malformation**


**Colloid cyst**


**Encephalitis**


**Herpes meningitis**


**Intracerebral hemorrhage**


**Juxtasellar mass**


**Pneumocephalus**


**Suprasellar mass**


**Tuberous sclerosis**


**Various**

White matter hyperintensities

Cognitive disorder
Benign transient confusional state

Chronic fatigue syndrome
YTFS: [Chronic fatigue syndrome]. 1995 Sep;66(9):906-907.
TAC: Chronic fatigue syndrome and the aviator. 2000 Sep;71(9):965.

Concentration deficit

Transient global amnesia

Headache
Cluster headache
YTFS: [Cluster headache]. 1985 Jan;56(1):84.

Exertional migraine
AMRTF: An aviator with exertional migraines. 1988 Dec;59(12):1203-4

Migraine

Migraine aura without headache
YTFS: Migraine aura without headache. 2012 Dec;83(12):1194-5.

Occipital migraine

Ophthalmic migraine

Pseudotumor cerebri

Various
YTFS: [Headache]. 1987 May;58(5):482.

Ischemia
Amaurosis fugax

Cerebral infarction

Cerebral vascular disease

Frontal lobe infarction
AMRTF: A fighter pilot with a single left frontal lobe infarction and probable mitral valve prolapse and supraventricular arrhythmias. 1988 Oct;59(10):994-6

Stroke

Transient ischemic attack
AMRTF: Transient ischemic attack in an aviator with patent foramen ovale and Factor V Leiden. 2003 Dec;74(12):1303-5
Multiple sclerosis


Muscular dystrophy

Muscular dystrophy

Myasthenia gravis

Myasthenia gravis
Myasthenia gravis and return to flying status. 2010 Jan;81(1):69–73.

Neurovascular

Arterial gas embolism

Arteriovenous malformation
AMRTF: An aviator with seizures and an arterio-venous malformation. 1985 Dec;56(12):1226-8

Cavernous venous angioma

Cerebellar artery aneurysm

Cerebral aneurysm

Internal carotid artery insufficiency

Vertebral artery occlusion

Peripheral nerve

Bell’s palsy

Common peroneal neuropathy

Complex regional pain syndrome

Miller-Fischer syndrome

Peripheral neuroepithelioma

Peripheral neuropathy
Thoracic outlet syndrome

Tomaculous neuropathy

Ulnar nerve entrapment

Seizure
Complex partial seizures

Epilepsy
Clinical aviation and aerospace medicine: Epilepsy and medical examinations of flight personnel, importance and difficulty of diagnosis. 1971 Aug;42(8):889-90.
YTFS: [Epilepsy]. 1978 Apr;49(4):646.
YTFS: Epilepsy. 2015 May;86(5):500-3.

Gelastic seizure

Isoniazid related seizure

Posttraumatic epilepsy

Seizure
AMRTF: An aviator with seizures and an arterio-venous malformation. 1985 Dec;56(12):1226-8
YTFS: Considering the differential diagnosis of seizures, a flight surgeon does not need an exhaustive list but rather a focus on the most common causes. 2000 Dec;71(12):1256-7.
YTFS: Prostate cancer, erectile dysfunction, and seizure. 2009 Jul;80(7):670-1.

Sleep deprivation related seizure
Sleep deprivation: Neurological and electroencephalographic effects. 1964 Sep;35(9):888-90.

Syncope vs seizure

Temporal lobe epilepsy

Tonic-clonic seizure

Sleep disorder
Excessive daytime sleepiness
**Hypersomnia**

Idiopathic hypersomnia in an aircrew member. 1999 Aug;70(8):797-801.

**Insomnia**

AMRTF: Low G-tolerance presenting as insomnia. 2002 Jul;73(7):713-4

**Kleine-Levin syndrome**


**Narcolepsy**


**Obstructive sleep apnea**

Obstructive sleep apnea-an air safety risk. 1997 Dec;68(12):1139-43.


**Restless legs syndrome**


**Somnambulism**


**Spinal cord**

**Meningocele**


**Trauma**

**Cerebral contusion**

PET scan as an aid for the return of a head-injured aviator to flying duty. 2006 Oct;77(10):1080–1082.

**Closed head injury**


**Extradural hemorrhage**


**Parietal skull fracture**


**Postconcussion syndrome**


**Posttraumatic amnesia**

AMRTF: An aviator with head trauma and post-traumatic amnesia The risk of post-traumatic epilepsy and aeromedical disposition are discussed. 1989 Oct;60(10 Pt 1):1016-7

AMRTF: A student pilot is referred for evaluation of a "head injury with post-traumatic amnesia". 1992 Feb;63(2):147-9

**Subarachnoid hemorrhage**

Spontaneous subarachnoid hemorrhage occurring in a pilot during flight. 1945 Apr;16(2):91-5.


**Subdural hematoma**


**Traumatic brain injury**


**Ophthalmic**

**Color vision**

**Color vision deficiency**

Certain eye factors in examination of pilots. 1930 Sep;1(3):166-70.

Cornea
Contact lens-related ulcerative keratitis

Corneal dystrophy

Corneal lesion

Keratoconus
Clinical aviation and aerospace medicine: Keratoconus in USAF flying personnel. 1972 Sep;43(9):1027-30.

Myopia
Acquired myopia in airline pilots. 1957 Dec;28(6):559-68.

Thermal keratoplasty

Traumatic hyphema

Depth perception
Defective stereopsis

Depth perception disorders
Monocular vision and other peculiar phases of flying as regards depth perception. 1932 Sep;3(3):194-200.
Observations on depth perception and visual acuity. 1933 Sep;4(3):103-5.

Glaucoma
Acute narrow-angle glaucoma

Glaucoma

Ocular hypertension

Posner-Schlossman syndrome

Iris
Anisocoria

Iridodialysis

Unilateral mydriasis
Lens

Aphakia
Aphakia and artificial lens implants in the civil airman population. 1993 Oct;64(10):932-8.

Motility disorder

Diplopia

Heterotropia

Internuclear ophthalmoplegia

Motility

Phorias and diplopia
Certain eye factors in examination of pilots. 1930 Sep;1(3):166-70.

Tolosa-Hunt syndrome

Night vision

Night vision deficiency

Optic nerve

Nonarteritic ischemic optic neuropathy

Optic atrophy

Optic neuritis
YTFS: Optic neuritis. 2015 Sep;86(9):845-8.

Oscillopsia

Oscillopsia

Retina

Central serous chorioretinopathy
AMRTF: A visual dilemma. 1985 May;56(5):474-5

Chorioretinitis
AMRTF: Chorioretinitis due to toxoplasmosis. 2003 Jun;74(6 Pt 1):683-6

Drusen

Maculopathy
Nonischemic central retinal vein occlusion


Optic disc swelling

Medical waiver for flying after microvascular decompression for optic disc swelling. 2011 Feb;82(2):137-9.

Pigment dispersion syndrome

AMRTF: Pigment dispersion syndrome. 2003 Jan;74(1):87-8

Primary pigmentary degeneration


Retinal detachment


Retinal hole with operculum

YTFS: A retinal hole with operculum. 2006 May;77(5):559-60.

Retinal vein occlusion


Retinitis pigmentosa

AMRTF: An air traffic controller with retinitis pigmentosa. 1986 Jan;57(1):82-4

Sclera

Episcleritis

Episcleritis in a flying officer. 1945 Apr;16(2):96-8.

Uveal tract

Uveitis


Visual acuity

Age-related vision changes


Medication effects on vision


Proptosis


Vision correction


Psychologic

Alcohol disorder

Alcohol abuse


Alcohol effects


Alcohol use


Alcoholism

Anxiety disorder

Anxiety

Anxiety disorder
AMRTF: Pilot incapacitation of psychiatric etiology (PIPE). 1993 Dec;64(12):1146-8

Flight related anxiety

Flying phobia

Panic disorder
AMRTF: Pilot incapacitation of psychiatric etiology (PIPE). 1993 Dec;64(12):1146-8

Post traumatic stress disorder

Attention deficit hyperactivity disorder
Attention deficit hyperactivity disorder

Bipolar disorder
Bipolar disorder

Eating disorder
Bulimia

Eating disorder

Intentional disorder
Factitious disorder

Malingering

Mood disorder
Aviation suicide

Depressive disorder

Major depressive episode
AMRTF: An aviator with a major depressive episode. 1985 Jul;56(7):718-20
Major depression and fitness to fly by different aviation authorities. 2012 Sep;83(9):909–11.

Manic-depressive illness

Menopause

Suicidal behavior
YTFS: [Suicidal behavior]. 1985 Feb;56(2):182.
Suicide attempt

Personality

Obsessive-compulsive personality disorder

Personality disorder

Antisocial personality

Antisocial personality disorder
Antisocial personality disorder and medical certification. 2007 Feb;78(2):145–146.

Codependency

Compulsive sexual behavior

Gender dysphoria

Psychosis

Acute paranoid schizophrenic reaction

Brief reactive psychosis

Iatrogenic delirium

Psychosis
Clinical aviation and aerospace medicine: Case report of an in-flight incident involving an aircraft commander with a psychiatric illness. 1974 Mar;45(3):316-7.

Schizophrenia

Somatoform disorder

Hysterical deafness

Hysterical seizures

Psychophysiological false myopia

Psychosomatic disorder


Psychosomatic dizziness
AMRTF: A difficult differentiation between idiopathic perilymph fistula and psychosomatic dizziness and unsteadiness. 1989 Mar;60(3):277-9

Psychosomatic vertigo

Somatization disorder

**Therapy**

*Marital counseling*

YTFS: Marital counseling. 2013 Jan;84(1):80-1.

**Various**


**Pulmonary**

*Alpha-1 antitrypsin deficiency*


*Atelectasis*


*Cystic fibrosis*


*Hypersensitivity pneumonitis*


AMRTF: A student Army aviator with hypersensitivity pneumonitis. 1992 Apr;63(4):322-4

*Oxygen atelectasis*


*Pneumoconiosis*


*Pulmonary alveolar proteinosis*

AMRTF: Pulmonary alveolar proteinosis. 1986 Jul;57(7):715-7

*Pulmonary sequestration*


*Salt-water aspiration syndrome*


*Smoking effects*


**Asthma**

*Asthma*

A case of 43-year-old fighter pilot with bronchial asthma. 1999 Sep;70(9):925-7.


*Occupational asthma*

YTFS: Isocyanates are the most common cause of occupational asthma. 1990 Aug;61(8):765-6.


**Lung mass**

*Bronchogenic cyst*


*Fungal cavitory lesion*


*Pectus excavatum*


*Pulmonary blebs*


*Pulmonary infarction*

Serous cyst of the pericardium

Solitary pulmonary nodule
AMRTF: An aviator with a solitary pulmonary nodule. 1989 Dec;60(12):1222-4

Pneumothorax
Pneumomediastinum

Pneumothorax

Primary spontaneous pneumothorax

Pulmonary cyst

Recurrent spontaneous pneumothorax

Spontaneous pneumothorax

Sarcoidosis
Pulmonary sarcoidosis

Sarcoidosis

Renal
Asymptomatic hematuria

Chronic glomerulonephritis

Ectopic kidney

Fibrous dysplasia
AMRTF: Fibrous dysplasia. 1993 Oct;64(10):955-6

IgA nephropathy
Medullary sponge kidney

Mesangiocapillary glomerulonephritis

Polycystic kidney disease

Renal calyceal diverticulum

Retroperitoneal fibrosis

Rheumatologic

General
Behçet's syndrome

Mixed connective tissue disease

Polymyalgia rheumatica

Raynaud's disease

Systemic lupus erythematosus

Joint
Palindromic rheumatism
YTFS. [Palindromic rheumatism]. 1996 Apr;67(4):381.

Parvovirus-associated polyarthritis

Psoriatic arthritis

Reactive arthritis
HLA B27 positive helicopter pilot with reactive arthritis responsive to sulfasalazine 1988 Jul; 59(7):653-4.

Rheumatoid arthritis

Spine
Ankylosing spondylitis

Rheumatoid spondylitis

Toxic

Asbestos
Asbestos exposure

Carbon monoxide
Carbon monoxide exposure
Toxic Journal of the Aerospace Medicine Association

YTFS: Carbon monoxide poisoning. 2007 Sep;78(9):911-12.

**Drug**

**Alcohol ingestion**

**Anabolic steroid use**

**Anthracycline**

**Anti-malarials**

**Caffeine ingestion**

**Cocaine exposure**

**Dramamine use**

**Hypervitaminosis A**

**Niacin flushing**

**Nicotine ingestion**

**Phenylpropanolamine exposure**

**Streptomycin vestibular disturbance**

**Vitamin A toxicity**

**Ingested**

**Ciguatera intoxication**
- YTFS: 29-yr-old pilot, accompanied by his wife and 6-yr-old boy, each ill with nausea, abdominal cramping and watery diarrhea. 2001 Feb;72(2):146-7.

**Jet fuel intoxication**

**Inhaled**

**Toxic gases**

**Various gases**

**Inorganic**

**Hydrazine exposure**
- YTFS: [Hydrazine exposure]. 1999 Apr;70(5):530-1.

**Hydrofluoric acid exposure**

**Isocyanates**
- YTFS: Isocyanates are the most common cause of occupational asthma. 1990 Aug;61(8):765-6.
Lead poisoning

Mercury exposure

Zinc chloride (grenade smoke)

Ionizing Radiation

Ionizing radiation exposure
   YTFS: [Chemical and radiation exposure in space]. 1985 Aug;56(8):820.

Nuclear blast

Radiation sickness

Radon exposure

Organic

Aromatic hydrocarbon exposure

Methyl ethyl ketone exposure

Methylenedianiline resin exposure

n-Hexane exposure

Organophosphate exposure

Pesticide exposure

Polychlorinated biphenyl exposure

Trichloroethylene exposure

Organophosphorus

Organophosphate exposure

Pesticide toxicity

RF radiation

Radiofrequency microwave radiation exposure
   Exposure to radio-frequency radiation from an aircraft radar unit. 1980 Nov;51(11):1243-1244.
Traumatic

Animal
Dog bite

Stingray injury

Arthropod
Scorpion envenomation

Blast
Blast effects

Nuclear detonation injury

Blunt
Blunt neck trauma

Cold
Cold stress

Hypothermia

Flash blindness
Nuclear blast

Heat
Heat illness

Heat stress

Heat stroke

Thermal burn injury

Laser
Laser injury

Noise
Noise exposure

Penetrating
Penetrating chest trauma

Vibration
Vibration exposure
Vibrational injury to fingers

Urologic
Bladder
Urethritis

Urinary tract infection

Hematuria
Hematuria

Microhematuria

Hernia
Hernia
Laparoscopic inguinal hernioplasty in aviators. 2005 Feb;76(2):141–143.

Penis
Erectile dysfunction
YTFS: Prostate cancer, erectile dysfunction, and seizure. 2009 Jul;80(7):670-1.

Priapism

Prostate
Benign prostatic hypertrophy

Chronic prostatitis

Urolithiasis
Cystathioninuria

Nephrolithiasis
AMRTF: Renal cell carcinoma in an aviator with a long history of renal lithiasis. 1990 Feb;61(2):183-6

Recurrent nephrolithiasis

Renal colic

Retained nephrolithiasis
AMRTF: Retained renal calculi. 1993 Apr;64(4):337-40
Urolithiasis