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Systemic disease course assisted learning website

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Systemic disease course assisted learning website

Abstract

A website for the Pacific University College of Optometry Systemic Disease Courses giving students internet access to various disease topics, throughout the course, allowing them to better utilize their time in researching topic information.

Degree Type

Thesis

Degree Name

Master of Science in Vision Science

Committee Chair

Elizabeth W. Peake

Subject Categories

Optometry

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SYSTEMIC DISEASE COURSE ASSISTED LEARNING WEBSITE

By

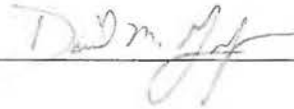
DAVID M. GRAF
GREGORY T. GREER

A thesis submitted to the faculty of the
College of Optometry
Pacific University
Forest Grove, Oregon
for the degree of
Doctor of Optometry
May 2003

Advisor:
Elizabeth W. Peake O.D., F.A.A.O.

SYSTEMIC DISEASE COURSE ASSISTED LEARNING WEBSITE

David M. Graf



Gregory T. Greer



Advisor:
Elizabeth W. Peake O.D., F.A.A.O.

Biographies

David M. Graf

David graduated from Southern Utah University in Cedar City, Utah, with a Bachelor of Science degree in Zoology. He is originally from the community of Santa Clara, Utah. At Pacific College of Optometry, he served as a representative for the technology committee for the Class of 2003 for 2 ½ years. David has plans to join a private practice in Richfield, Utah with an emphasis on primary care and contact lenses.

Gregory T. Greer

Greg graduated from Pacific Lutheran University in Tacoma, Washington, with a Bachelor of Science degree in Biology. He served as the student representative for the Washington Association of Optometric Physicians while attending Pacific University. Greg plans on returning to the Seattle, Washington area to join a primary care private practice.

SYSTEMIC DISEASE COURSE ASSISTED LEARNING WEBSITE

David M. Graf, Gregory T. Greer

Abstract:

A website for the Pacific University College of Optometry Systemic Disease Courses giving students internet access to various disease topics, throughout the course, allowing them to better utilize their time in researching topic information.

SYSTEMIC DISEASE COURSE ASSISTED LEARNING WEBSITE

David M. Graf, Gregory T. Greer

Acknowledgements:

A special thanks to our advisor Dr. Elizabeth Peake and to the Systemic Disease Course Instructor Dr. Nada Lingel and to Dr. Robert Yolton, Walker Hecht, and University Information Systems for helping us put the website online.

SYSTEMIC DISEASE COURSE ASSISTED LEARNING WEBSITE

David M. Graf, Gregory T. Greer

Introduction:

Pacific University College of Optometry's Systemic Disease Course requires students to know many various aspects of systemic disease and there is a plethora of information on the World Wide Web (internet). Being able to efficiently access this information is not only helpful for the course, but for the practice of optometry as the scope of optometry continues to expand. Part of the problem that students encounter in this process is the time consuming task of searching for this information. There are certain web sites that are very valuable in the search effort, but not one website has all specific information that will enable the student to minimize search time and maximize their information on certain systemic disease topics. For this reason we have taken it upon ourselves to help students maximize input to learning and minimize time spent searching.

Project Design:

We have created a website which follows the systemic disease courses syllabi. We have gathered data from various internet resources and have made every effort to insure the accuracy of the information contained within the links. Whenever possible peer reviewed articles and government sourced pages were used. Information can not, however, be guaranteed so an appropriate caveat was placed upon the website. Each subject has approximately three links associated with it. The information contained in the first link is of an introductory nature and the subsequent links provide more in depth information. Students or web users also have the option to notify us if a link is outdated or not working.

Project Relevance:

Our hopes are that the student will be able to more efficiently access information pertaining to systemic disease. The importance of an understanding of systemic conditions can not be understated. As optometry continues to expand as a profession the need to incorporate systemic disease understanding into patient care has become increasingly important. This web page will be a supplementary source of information in conjunction with the student's notes. It will also hopefully remain a useful resource completion of the course.

Conclusion:

Our web site has compiled the most recent and useful information about the various systemic disease topics for the optometry students to access at any time while on the web. Although our information is currently up to date and correct, it may be necessary for a future student to update this web site as the information changes. This web page in no way reflects the opinions of Pacific University or the College of Optometry.

<http://myweb.pacificu.edu/gree1028>

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Systemic Disease Links



Cellular Response To Disease

Neurological Disorders

Rheumatologic & Inflamm. Disorders

Renal Disorders

Gastrointestinal

Dermatology/CT/Skeletal

Endocrine Disorders

Infectious Disease

Cardiovascular

Oncology

Pulmonary Disease

Psychiatric Disorders

Hematology

Other Disorders

Liver Disorders

Urgent Care



WARNING: PLEASE READ

The accuracy of the information contained within these links cannot be guaranteed. If any discrepancies arise, PLEASE CONSULT YOUR CLASS NOTES FOR TESTING PURPOSES!

Please Report Bad Links **HERE #**

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Introduction to the Course



Cell injury/death and adaptation

- 1) [Introduction](#)
- 2) [Intermediate](#)

Repair

- 1) [Introduction](#)
- 2) [In depth](#)

Acute and Chronic Inflammation

- 1) [Introduction 1](#) [Introduction 2](#)
- 2) [Acute](#)
- 3) [Chronic](#)

Hypersensitivities

- 1) [Introduction](#)
- 2) [In depth](#)

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Rheumatologic & Inflammatory Disorders: A&P Overview



Rheumatoid Arthritis (RA) & Juvenile RA

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Ankylosing Spondylitis (AS)

- 1) [Introduction](#)
- 2) [In depth](#)
- 3) [In depth Ophthalmic](#)

Reiter Syndrome

- 1) [Introduction](#)
- 2) [In depth Ophthalmic](#)

Systemic Lupus Erythematosis

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Scleroderma

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Vasculitis: Giant Cell Arterit

- 1) [Introduction](#)
- 2) [In depth](#)
- 3) [In depth Ophthalmic](#)

Vasculitis: Polyarteritis Nod

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Vasculitis: Polymyalgia Rhe

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Sjogren's Syndrome

- 1) [Introduction](#)
- 2) [In depth](#)
- 3) [In depth Ophthalmic](#)

Sarcoidosis

- 1) [Introduction](#)
- 2) [In depth](#)
- 3) [In depth Ophthalmic](#)

Behcet's Disease

- 1) [Introduction](#)
- 2) [In depth](#)
- 3) [In depth Ophthalmic](#)

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Gastrointestinal (GI): A&P Overview



Gastrointestinal Esophageal Reflux Disorder (GERD)

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Colon Cancer (Colorectal)

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Inflammatory Bowel Disease

- 1) [Introduction](#)
- 2) [In depth](#)
- 3) [In depth Ophthalmic](#)

Pancreatitis

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

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Endocrine Disorders: A&P Overview



Diabetes

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Parathyroid Disease

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Thyroid Disease

- 1) [Intermediate—Ophthalmic](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Pituitary

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

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Cardiovascular Disorders: A&P Overview



Atherosclerosis

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Hypertension

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Coronary Heart Disease

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Angina

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Myocardial Infarction

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Congestive Heart Failure (CHF)

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Valvular Disease

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Peripheral Vascular Disease

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

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Pulmonary Disease: A&P Overview



Chronic Obstructive Lung Disease (COPD)

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Asthma

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Bronchioectasis

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Restrictive/Interstitial Lung Disease

- 1) [Intermediate](#)
- 2) [In depth](#)

Collagen Vascular Disorders

- 1) [Introduction](#)
- 2) [Intermediate](#)

Pneumoconiosis

Sarcoidosis

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Pulmonary Infections

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Histoplasmosis

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Pneumonia

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Cystic Fibrosis

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Sleep Apnea

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

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Hematology



Anemia

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Leukemia

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Polycythemia

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Lymphoma

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

CBC

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

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Liver Disorders



Hepatitis

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Cirrhosis

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Hepatic Failure

- 1) [Intermediate 1](#)
- 2) [Intermediate 2](#)
- 3) [In depth](#)

Jaundice

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Wilson Disease

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

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Neurological Disorders



Multiple Sclerosis

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Myasthenia Gravis

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Alzheimer Disease

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Stroke Disorders

- 1) [Introduction](#)
- 2) [In depth](#)

Headaches

- 1) [Introduction](#)
- 2) [In depth](#)

Pseudotumor Cerebri

- 1) [Introduction](#)
- 2) [In depth](#)
- 3) [In depth ophthalmic](#)

Parkinson Disease

- 1) [Introduction](#)
- 3) [In depth](#)

Huntington's Disease

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Head Trauma

- 1) [In depth](#)

Epilepsy

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

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Renal Disorders



Wilm's Tumor

- 1) [Intermediate](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Neoplasia

- 1) [Cases](#)
- 2) [In depth](#)

Glomerular Disease

- 1) [Introduction](#)
- 2) [In depth](#)

Nephrolythiasis

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

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Dermatology/CT/Skeletal



Osteoarthritis

- 1) Introduction
- 2) Intermediate
- 3) In depth

Osteoporosis

- 1) Introduction
- 2) In depth

Rosacea

- 1) Introduction
- 2) Intermediate
- 3) In depth ocular

Eczema / Atopic Dermatitis

- 1) Introduction
- 2) Intermediate
- 3) In depth
- 4) In depth ocular

Erythema Nodosum

- 1) Introduction
- 2) Intermediate
- 3) In depth

Cicatricial Pemphigoid

- 1) Introduction
- 2) In depth
- 3) In depth ocular

Erythema Multiforme / S

- 1) Introduction
- 2) In depth
- 3) In depth ocular

Marfan Syndrome

- 1) Introduction
- 2) In depth

Pseudoxanthoma Elasticum

- 1) Introduction
- 2) In depth ocular
- 3) In depth

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Infectious Disease



Lyme Disease

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth ophthalmic](#)

Syphilis

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth ophthalmic](#)

HIV / AIDs

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth ophthalmic](#)

Herpes Simplex

- 1) [Introduction](#)
- 2) [In depth](#)
- 3) [In depth ophthalmic](#)

Herpes Zoster

- 1) [Introduction](#)
- 2) [In depth](#)
- 3) [In depth ophthalmic](#)

Chlamydia

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth ophthalmic](#)

Toxoplasmosis

- 1) [Introduction](#)
- 2) [In depth ophthalmic](#)

Toxocariasis

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

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Oncology



Oncology Basics

1) [FDA Oncology Info/Tools](#)

Cancer Screening

1) [Screening Guidelines](#)

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Psychiatric Disorders



Depression

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [In depth](#)

Addiction

- 1) [Addiction Resources](#)
- 2) [In depth](#)

Eating Disorders

- 1) [Introduction](#)
- 2) [Intermediate](#)
- 3) [Anorexia In Depth](#)

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Other Disorders



Albinism

- [1\) Introduction](#)
- [2\) Intermediate](#)
- [3\) In depth ophthalmic](#)

Domestic Violence/Child

- [1\) Help / Resource Page](#)
- [2\) In depth](#)

Homocystinuria

- [1\) Introduction](#)
- [2\) Intermediate](#)

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Urgent Care



Ophthalmic Emergency

- 1) In depth

CPR

- 1) Adult CPR Instructions
- 2) Child CPR Instructions
- 3) Infant CPR Instructions

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