



2004 - 2005

**PROGRAMS
SCHEDULES &
INFORMATION**



**DISTANCE LEARNING
PROGRAMS**

Anatomy of the Human Brain - a discussion of the human nervous system presented by a physician, medical or graduate student using human cadaver specimens to demonstrate nervous system anatomy and physiology. Pathological specimens will be shown to illustrate various clinical problems including meningiomas, hydrocephalus and stroke. The following topics will be covered:

1. The neuron and supporting cells of the nervous system
2. The synapse and neurotransmitters
3. Organization of the nervous system
- the central and peripheral nervous systems
4. Protective coverings of the brain



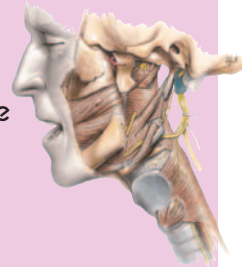
5. Brain anatomy, including cerebral hemispheres, cerebellum and brain stem
6. Spinal cord anatomy
7. Cranial and spinal nerves

Available Date: October 14, 2004 Time: 9:30-10:30 a.m.

Anatomy of the Human Ear, Nose & Throat - a discussion of the structure and function of the human ear, nose and throat. A physician, medical or graduate student will use models, diagrams and human cadaver specimens to demonstrate ear, nose and throat anatomy and physiology. The following topics will be covered:

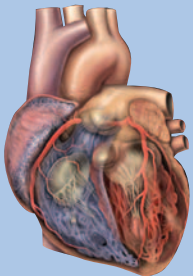
1. Structures of the outer, middle and inner ear including the cochlea, incus, stapes and malleus
2. Auditory physiology
3. Anatomy of the nose, throat and sinuses

4. Cranial nerves associated with the ear, nose and throat
5. Clinical problems involving the ear, nose and throat, including infections and allergies



Available Date: November 4, 2004 Time: 9:30-10:30 a.m.

Anatomy of the Human Heart - a demonstration of a variety of human hearts tailored to meet the needs and educational level of the students. Cardiovascular anatomy and physiology are taught by a physician, medical or graduate student. Pathological material, including hearts with pacemakers, bypass grafts, valve replacements, hypertensive changes and documented myocardial infarcts, are used to illustrate these and other clinical problems. The following topics will be covered:



1. Blood, cellular and fluid components
2. Coverings of the heart
3. Gross structures of the heart and its chambers
4. Major blood vessels
5. Circulatory pathways and changes induced by pathology

6. Basics of cardiac physiology including the conducting system, cardiac cycle, heart sounds, murmurs and post-surgical complications

Available Date: November 11, 2004 Time: 9:30-10:30 a.m.



2004 - 2005

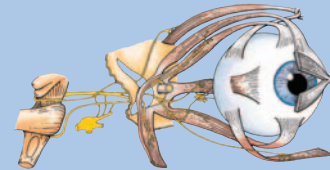
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Anatomy of the Human Eye - a discussion of the structure and function of the human eye. A physician, medical or graduate student will use models, diagrams and a human eye to demonstrate eye anatomy and physiology. The following topics will be covered:

1. Eyeball structure including sclera, cornea, iris, pupil, lens and retina
2. Accessory structures of the eye including eyelids, lacrimal apparatus and extrinsic eye muscles
3. Photoreceptors
4. Clinical problems involving the eye
5. Vision physiology



Available Date: January 6, 2005 Time: 9:30-10:30 a.m.



Sheep Brain Dissection - a guided sheep brain dissection for middle and high school students presented by a physician, medical or graduate student. Students observe and dissect in pairs as they compare the sheep brain to the human brain. The primary focus is on the anatomy of the brain.

Available Dates: October 28, 2004 & March 3, 2005 Time: 9:30-10:30 a.m.

Pig Heart Dissection - a guided pig heart dissection for middle and high school students presented by a physician, medical or graduate student. Students observe and dissect in pairs as they compare the pig heart to the human heart. The primary focus is on the anatomy and flow of blood through the heart.

Available Dates: December 2, 2004 & April 7, 2005 Time: 9:30-10:30 a.m.



Pig Eye Dissection - a guided pig eye dissection for middle and high school students presented by a physician, medical or graduate student. Students observe and dissect in pairs as they compare the pig eye to the human eye. The primary focus is on the anatomy and function of the structures of the eye.

Available Dates: January 20 & May 5, 2005 Time: 9:30-10:30 a.m.

Organ Transplants - presented in conjunction with Mid-America Transplant Services, this program introduces students to the topic of organ and tissue donation. The program focuses on the definition of brain death, misconceptions about transplantation, and the organs and tissues that can be transplanted. Donor family members and recipients discuss their experiences and answer questions.

Available Dates: December 9, 2004 & February 3, 2005 Time: 9:30-10:30 a.m.



MID-AMERICA TRANSPLANT SERVICES



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REGISTRATION INFORMATION:

Name: _____

School Name: _____

School Address: _____

School Phone Number: _____ Fax Number: _____

Email Address: _____ Grade Level: _____

Subject: _____ Best Time to Contact: _____

REQUESTED DATES:

Programs are scheduled for 9:30 a.m. CST.
A test call will be scheduled upon
confirmation of the program.

Date of Program:	
Alternate Date:	
Time (specify time zone):	

PROGRAM FEES:

Program costs are \$100.00 per site with a limit of 2 classes (60 students) to allow for ample opportunity for discussion and questions. All program fees must be paid in full or a purchase order must be provided prior to the program date. An invoice will be sent as part of confirmation packet after the program is scheduled. Please note: An additional cost for dissection specimens will apply.

Enclosed is a check or money order made payable to *Practical Anatomy Workshop*..... \$ _____

Please send an invoice with the confirmation packet.

Please provide P.O. # and billing information..... **P.O. #:** _____

TECHNICAL INFORMATION: AIMS delivers programs using a Polycom 512 over ISDN up to 384 Kbps.

- 128 Kbps
 256 kbps
 384 kbps
 Other

Please Note: AIMS does not possess internet connection capability and cannot connect using IP lines. Call for details.

Are you a member of Cooperating School Districts (CSD) or part of Morenet? No Yes

Will you be using a bridge? No Yes (If yes, please list up to 3 sites)

Site Name:			
Contact Name:			

Participants are responsible for dialing AIMS Virtual Anatomy Classroom and any associated long distance charges. A dial-in number and invoice will be included in the confirmation packet.

I understand that the AIMS Virtual Anatomy Classroom programs are designed for live delivery via teleconference and I affirm that no videotape will be made of any AIMS Virtual Anatomy Classroom distance learning program.

Signature _____ Date _____