

TO: Students in Med Phys 900
FROM: L. A. DeWerd
Date: January 24, 2014
RE: 900-Journal Club and Seminar

This memo is to elaborate on the requirements for the Journal Club and Seminar, Med. Phys. 900.

Attendance:

There will be an attendance sheet for you to initial each Monday. It will be at the back of the lecture hall; please initial it at the beginning or end of the period.

In addition, a speaker evaluation form should be filled out for each speaker. Please turn this in at the end of the seminar; a graduate student representative generally will collect them to give to Beth Bierman or JoAnn Kronberg. This response from you is very important for us; a summary of the forms is used by the department.

A schedule will be arranged whereby each student will be responsible for setting up and returning the coffeepot and cookies. Check for this sheet to find out the week for which you are responsible. **Check with Medical Physics Secretary, Beth Bierman, regarding arrangements for coffee and cookies.**

Case study translation:

The attached patient chart review has underlined words in it; these words are to be given definitions. There is no need to define any term twice. An aid to learning medical terminology is the self-teaching book Medical Terminology: a Programmed Text 6th edition by Smith, Davis & Dennerll, Delmar Publishers, Inc. The book is in the Library. In addition, a medical dictionary can be useful, such as Mosby's. **Please type out a "translation" of this article; i.e. write out the underlined words in sentence form using common, everyday language using the definitions of the underlined words.** The following is an example of what I expect. Type the sentences as given and in a **different type** give the translation. You can list the sentences separately and not give the other text again if you wish. It must be clear. Do not define medical terms using medical terms!

The patient was diagnosed with Adenocarcinoma of the rectum
*The patient was diagnosed with a tumor with glandular structures
(Adenocarcinoma) located at the terminal part of the large intestine. (Rectum)*

A physical examination showed her to be guaiac positive with a rectal mass palpable approximately 5 cm above the anal verge.
A physical examination showed that she had blood in her stool (guaiac positive) and a mass or tumor could be felt or was perceptible by touch in the terminal part of the large intestine (rectal mass palpable) 5 cm before it exits the body.(anal verge)

The last due date for this translation is **April 7**; I will take it whenever you finish.

Paper:

Seminars scheduled for the semester can be viewed on the Medical Physics home page. Students are required to write a 3 page-minimum typed, single spaced, or 6 page-minimum typed, double spaced, summary of one of the semester's seminars. The paper should have 3 sections at a minimum: Background, Summary of presentation and "**My response / opinion on the seminar topic.**" This latter section should include at least one paragraph or more, which gives your response/opinion as to the value of the presented material to you, your thoughts on the extension of the topic and its future, etc. For example, look up a reference and present an **independent thought** regarding the subject. **The paper should demonstrate your knowledge of the seminar and in particular, your independent thoughts on the topic. Your independent thoughts are a very important part of this write-up. Please give a heading for each section in the paper.** The paper may be illustrated with figures and/or tables if you choose. **Add a one-third page additional to the 3-page minimum for each figure or table you include.** Figures are encouraged. The paper should be typed with a word processor, 12-point type, Times or Times New Roman, standard 1 inch margins, and **print it.** You may choose the speaker and the topic. I prefer that you do not wait until the last minute to do the paper; however, if you choose one of the last two speakers, please inform me that this is your intent. **The absolute last due date for the paper is May 9. Work on it early!**

MEDICAL PHYSICS

SPRING 2014 SEMINAR SCHEDULE



PLACE: 1345 HSLC (unless noted)		TIME: 4:00 P.M.
DATE:	SPEAKER & TOPIC	
January 27	Adam Uselmann (student of Rock Mackie) "Simulation, Analysis, and Optimization of the Dielectric Wall Accelerator"	
February 3	Michael Kissick, "On Radiotherapy & Oxygen Dynamics"	
February 10	Nicholas Rupert (student of Tomy Varghese) "Quantitative ultrasound imaging of thermal ablation therapy in the liver."	
February 17	Rock Mackie, Radiation Oncology: A Case of Technology Driving Clinical Science	
February 24	Bastiaan (Sean Fain invite)	
March 3	Ron Summers (R, Jeraj invite) "Towards Fully-Automated Abdominal CT Image Interpretation"	
March 10	Tim Degrado (Cai Weibo invite), Radiometal production using solution-based cyclotron targets	
March 17	Spring Break	
March 24	Paul Campagnola, Second Harmonic Generation and Optical Scattering Probes of the ECM in ovarian cancer	
March 31	David Niles, (student of Sean Fain) "MRI Biomarkers for Renal Function and Disease."	
April 7	Martha Malin (student of Larry DeWerd), Energy Based Brachytherapy Dosimetry	
April 14	Mariela Porras – Chaverri (student of John Vetter) Patient oriented breast imaging dosimetry	
April 21	Christian Capitini (Bryan Bednarz) invite	
April 28	Daniel Saenz (student of Bhudatt Paliwal) "MRI-Guided Target Motion Quantification using Dynamic Automatic Segmentation"	
May 5	David Jaffray, Cameron Symposium	
May 9	Last class day	