

# Gynecologic Oncology Fellows Program Schedule of Conferences, Courses, and Scientific Meetings

## Conferences

Gynecologic oncology fellows are encouraged to attend and actively participate in these relevant conferences:

- **Multi-Disciplinary Breast Conference** (Tuesday 0715, NC3.222)
- **Parkland Patient Care Conference** (Tuesday 0800, 4West) Multidisciplinary conference directed by the fellow and attended by nursing, pharmacy, social work, nutrition, discharge planning, home care, pastoral care, and gynecologic oncology faculty that deals with the total care of the gynecologic oncology patient.
- **Reproductive Biology Fellows Conference** (Tuesday 1200, J6.102)
- **Introductory Oncology Fellows Lectures** (Tuesday 1600, Thursday 0730, July-September, NC8.212) Core lectures in chemotherapy and oncology emergencies.
- **Protocol and Chemotherapy Monitoring Conference** (Wednesday 0730 G6.200) All patients under active chemotherapy and/or chemo-radiation treatment are presented by the fellow for review and discussion by faculty. Monitoring of cooperative group, NCI, and industry protocol accrual, compliance, toxicity, and reporting is addressed.
- **Gynecology Tumor Board** (Wednesday 0800 G6.200) New and recurrent gynecologic cancer cases are presented in a didactic fashion, led by the fellow with participation of faculty and staff from gynecologic oncology, radiology, surgical pathology, radiation therapy, and related specialties as required. Cases are presented and staged by the resident. The fellow then discusses the critical issues of the case and proposes an evidence based treatment plan that is further discussed by the faculty.
- **Gynecologic Oncology Grand Rounds** (Eight Wednesdays per year 1100 G6.200 at Parkland Memorial Hospital and two Tuesdays per year 0730 3<sup>rd</sup> floor Medical Conference Room at University Hospital-St. Paul) presented to the Department of Obstetrics and Gynecology by gynecologic oncology fellows, faculty and visiting professors.

### Topics 2008-09:

Premalignant Cervical Neoplasia  
Gestational Trophoblastic Neoplasia  
Sex Cord Stromal Tumors  
Vulvar Cancer  
Endometrial Cancer  
Cervical Cancer  
Germ Cell Tumors  
Principles of Chemotherapy

- **University Lecture Series** (Wednesday 1600 NB2.102) Weekly lectures given by

national or international visiting professors. Topics related to clinical and basic sciences, many of them relevant to the oncologist.

- **Divisional Research Meeting** (Second Wednesday 1600 J6.102 Conference Room) Reviews all basic and clinical research within the Division.
- **Gynecologic Oncology Fellow Lectures** (First Wednesday 1600, J7.102). Core didactic lectures chiefly presented by the faculty to prepare fellows for their written and oral board examinations in gynecologic oncology.

Topics 2008-09 Chemotherapy/Clinical Pharmacology:

Total Parenteral Nutrition  
Principles of Radiotherapy  
Principles of Palliative Care  
Recurrent Epithelial Ovarian Carcinoma  
Staging Uterine Adenocarcinomas  
Updates on Targeted Therapy  
Gynecologic Pathology Review  
Endometrial Sarcoma  
Clinical Trial Design  
Overview of Ovarian Cancer

- **Morbidity and Mortality Conference** (last Wednesday 1600 J6.102 Conference Room) Critical review by faculty, fellows and residents of complications (i.e. unplanned returns to surgery, ICU admissions, or patient deaths) for the preceding resident rotation.
- **Gynecologic Oncology Journal Club:** (Third Wednesday 1600, J7.102 Conference Room). Current literature on topics in gynecologic oncology are presented and critically reviewed by the fellows and residents.
- **Hamon Center for Therapeutic Oncology Research Weekly Seminar** (Thursday 0900 NB8.118). Investigators working within the Hamon Center present data on their topic of basic research. Intermittent guest lecturers are also invited.
- **Hamon Center for Therapeutic Oncology Research Meeting** (Thursday 1000 NB8.204). Investigators present their current research and recent data on a rotational basis.
- **Simmons Cancer Center Combined Modality Treatment Conference** (Friday 0730 NC8.212) Cancer Center wide multidisciplinary treatment planning conference.
- **Daily lectures and grand rounds** given by different Departments of the Medical School, published in a monthly calendar of events.

## Courses

The program includes participation in post graduate courses in Obstetrics and Gynecology sponsored by UT Southwestern Medical School.

### Seminars and Lectures

The program includes two university graduate-level courses:

- i. **Biostatistics for Clinical Sciences I – DCS 5391/5491**  
Summary statistics; probability theory; random variables and distribution functions; point and interval estimation; sampling an measurement; statistical power and samples size; parametric and nonparametric approaches for the analysis of categorical and

continuous data; simple linear regression and survival analysis (3 credits).

ii. **and at least one of the following:**

Biostatistics for Clinical Sciences II – DCS 5302

Linear and logistic regression and models (control of confounding and predictive models); categorical data analysis (binomial and Poisson distributions; analysis of paired categorical data, nonparametric methods for ordinal data); survival analysis (Kaplan-Meier curves, hazard functions, censoring, log-rank tests and generalized Wilcoxon tests, Cox regression model) (3 credits).

Observational Studies – DCS 5303

Cohort studies (assembly and follow-up, exposure measurement, outcome ascertainment, confounders, multivariate statistics). Case-control studies (selection of controls, sources of bias, analysis); cross-sectional studies, case-series and exposed-subject designs; strengths and limitations of databases; how to gain access and retrieve data; how to define outcomes (3 credits).

Epidemiological Concepts and Principles I – DCS 5307

Population sampling; measures of disease frequency and association; standardized rates/ratios; age, cohort and period analysis; validity and reliability; selection, measurement and confounding biases; sensitivity, specificity and predictive value; risk ratios, odds ratios and number needed to treat; receiver operator curves and diagnostic test performance (3 credits).

Conceptual Biostatistics – DCS 5309

Conceptual approach to statistical analysis of biomedical data. The course explains fundamental statistical principles and focuses on explaining the appropriate scientific interpretation of statistical tests rather than the mathematical calculation of the tests themselves. The course covers topics typically used in biomedical publications, including data description, summary statistics, p values and confidence intervals, contingency tables, sensitivity and specificity of laboratory tests, parametric and non-parametric tests, analysis of variance, correlation, regression, and statistical power and sample size estimation (3 semester hours).

Gene Transcription – DCS 5102

This course expands on the fundamental concepts studied in the first-year Core Course, emphasizing experimental strategies, reading of primary literature, critical evaluation of data, and student discussion. The topics will change to keep current with advances in the field. Topics that may be covered include the nucleoprotein complex of the core transcriptional promoter, regulation of the core promoter by upstream elements, transcription factors, transcriptional modulation,

cell-specific transcription, and the transcriptional regulation of development (1.5 credits).

#### Tumor Immunobiology – DCS 5172

This course will be a survey of a number of concepts relevant to the biology of cancer and tumor immunology. The individual topics will include chemical carcinogenesis, promoters of tumors after induction with viruses or chemicals, tumor metastasis, tumor dormancy and how the different arms of the immune system affect tumor development and respond to tumors. It will also include various approaches to immunotherapy and vaccination against tumors (1.5 semester hours).

#### Therapeutic Radiological Physics – DCS 5386

The basic principles of high-energy photon, electron, neutron, and proton interactions with tissues and biological systems are introduced in this course. The course reviews the instrumentation applied to the discipline of radiation oncology and includes measurements and computations.

#### Viruses in Human Cancer – DCS 5388

This course offers an introduction to viruses associated with human cancer. Cellular and molecular mechanisms of tumor induction and malignant progression are discussed, including the role of oncogenes and tumor suppressor genes in viral carcinogenesis. Current literature is reviewed in student-led discussions. (3 semester hours)

### **Scientific Meetings**

Fellows are encouraged and supported to attend, present before, and participate in scientific meetings. In recent years, UT Southwestern Gynecologic Oncology Fellows have attended and/or presented at the following:

- Society of Gynecologic Oncologists
- Society for Gynecologic Investigation
- American Society of Clinical Oncology
- American Association for Cancer Research
- American College of Obstetricians and Gynecologists
- Gynecologic Oncology Group
- New England Association of Gynecologic Oncologists
- Western Association of Gynecologic Oncologists