

UCLA School of Public Health
Department of Community Health Sciences

CHS 433
Reproductive Health: Demographic Applications

Fall Quarter 2005
Tuesday
3:00pm – 6:00 pm
Room 51-279 CHS
4 credits

Instructors:

Michael Lu, M.D., MPH
Office hours: By appointment
Email: mclu@ucla.edu
Phone: 310-825-5297

Paula Tavrow, PhD
Office hours: By appointment
Email: ptavrow@ucla.edu
Phone: 310-794-4302

Special Reader:

Fathima Wakeel
Office hours: By appointment
Email: munsifa8@hotmail.com
Phone: 310-208-4489

Course Description:

Understanding reproductive technologies and practices is critical for public health students interested in designing programs to address problems such as unwanted pregnancy, sexually transmitted diseases, teen pregnancy, and inadequate preventive services. This seminar will examine the foundations of reproductive health from a medical perspective with particular attention to implications for public health programs, health services, and policy. Topics to be covered include: the anatomy and physiology of the male and female reproductive health tracts; methods of birth control; medical and surgical abortion; infertility; post-partum depression; preventive health care and quality of care; and the reproductive health issues of teens and LGBT youth.

Knowledge and Skill Objectives:

CHS 433 is designed to provide an extensive overview of various methods and issues related to reproductive health. Upon completion, the student should be able to:

- a. Explain the basic anatomy and physiology of the male and female reproductive tracts
- b. Describe the major methods of birth control, abortion, and permanent sterilization, and their historical uses and misuses
- c. Identify the major techniques available for the treatment of infertility
- d. List the indicated services for reproductive preventive health and measures of quality of this care.
- e. Explain the reproductive health issues of teens, including pregnancy, childbearing, fatherhood, sexual risk taking behaviors.

Course Requirements:

1. This course has no prerequisites, but it is intended for graduate students only.
2. Students are expected to master the course content through reading, attendance, and participation in weekly meetings.
3. Grading will be determined as follows:

<u>Requirement</u>	<u>Weight</u>
Midterm (1 hour)	35%
Final (3 hours)	50%
Attendance/ Class Participation	15%

Readings:

1. There is one required textbook for the course: Robert A. Hatcher et al. (2004). *Contraceptive Technology*. 18th Revised Edition. Ardent Media, Inc. We recommend you purchase this text from the web (e.g., amazon.com).
2. This will be supplemented with a course reader available at Course Reader Material on 1141 Westwood Blvd. A course website with the readings will also be available.

Class Schedule:

10/4/05 *Introduction & course overview;
Reproductive health history and concepts*
Paula Tavrow (1 hour)

Anatomy and physiology of human reproduction
Michael Lu (2 hours)

Readings:

- ? Contraceptive Technology, Chapter 4
- ? Essentials of Anatomy & Physiology 4th edition, Chpt. 20, The Reproductive System (pp. 432-451)

10/11/05 *Birth Control I: The Pill (combined oral contraceptives); Emergency contraception; Depo-provera, Norplant, Progestin-only pills, Barrier methods, Spermicides, New methods*
Angela Chen (3 hours)

Readings:

- ? Contraceptive Technology, Chapters 12, 16, 17, 18, 19, 20
- ? Population Reports, New Contraceptive Choices, Series M, Number 19

10/18/05 *Birth Control II: Fertility awareness-based methods, LAM, IUDs, Sterilization*
Angela Chen (2 hours)

Readings:

- ? Contraceptive Technology, Chapters 9, 15, 21, 22

Maternal morbidity and mortality
Kimberly Gregory (1 hour)

Readings:

- ? Waterstone, M., Bewley, S., Wolfe, C. Incidence and predictors of severe obstetric morbidity: case-control study. British Medical Journal 2001 May; 322: 1089-1094.
- ? Callister, LC. Global maternal mortality: contributing factors and strategies for change. Am J Matern Child Nurs. 2005 May-Jun;30(3):184-92.

10/25/05 *Surgical abortion; Medication abortion; Post-abortion care; Complications, myths*
Angela Chen (3 hours)

Readings:

- ? Contraceptive Technology, Chapter 28
- ? Stubblefield PG, Carr-Ellis S, Borgatta L. Methods for induced abortion. Obstet Gynecol. 2004 Jul;104(1):174-85. Review
- ? Joffe and Weitz. Normalizing the exceptional: incorporating the "abortion pill" into mainstream medicine. Soc Sci Med. 2003 Jun;56(12):2353-66.

10/27/05 *Midterm Review 5-6pm (location to be decided)*

11/1/05 **MIDTERM (1 hour)**

Infertility: Overview

Michael Lu (0.5 hour)

Readings:

- ? Contraceptive Technology, Chapter 27

Assisted reproductive technologies: In vitro fertilization, Artificial insemination, Sperm cryopreservation, Embryo transfer

Alan DeCherney (1.5 hours)

Readings:

- ? Brosens I, Gordts S, Valkenburg M, Puttemans P, Campo R, Gordts S. Investigation of the infertile couple: when is the appropriate time to explore female infertility? Hum Reprod. 2004 Aug;19(8):1689-92
- ? Brugh and Lipshultz. Male factor infertility: evaluation and management. Med Clin North Am. 2004 Mar;88(2):367-85.

11/8/05 *Pregnancy, Pre-conceptual, Prenatal, and Internatal Care*
Michael Lu (3 hours)

Readings:

- ? Contraceptive Technology, Chapter 25, 26, 23
- ? Lu MC, Tache V, et al. Preventing low birth weight: is prenatal care the answer? J Matern Fetal Neonatal Med. 2003 Jun;13(6):362-80. Review.

11/15/05

Stress and reproductive health

Michael Lu (1.5 hours)

Readings:

- ? Burt VK, Stein K. Epidemiology of depression throughout the female life cycle. J Clin Psychiatry. 2002;63 Suppl 7:9-15. Review
- ? Robertson, E., Grace, S., Wallington, T., Stewart, D. Antenatal risk factors for postpartum depression: a synthesis of recent literature. General Hospital Psychiatry 2004 Jul-Aug;26(4):289-95.

Improving reproductive health: A life-course approach

Michael Lu (1 hour)

Readings:

- ? Lu, M., Halfon, N. Racial and ethnic disparities in birth outcomes: a life-course perspective. Matern Child Health J. 2003 Mar;7(1):13-30.

Review of the Midterm (30 mins.)

11/22/05

Client/provider relationship; Client satisfaction concepts and measurement

Paula Tavrow (1 hour)

Readings:

- ? Contraceptive Technology, Chapter 10
- ? Pearson S. Promoting sexual health services to young men: findings from focus group discussions. J Fam Plann Reprod Health Care. 2003 Oct;29(4):194-8.

Female circumcision

Paula Tavrow (1 hour)

Reading:

- ? Nour, N. Female genital cutting: clinical and cultural guidelines. Obstet Gynecol Surv. 2004 Apr;59(4):272-9.

Adolescent sexual behavior and HIV/STD risk reduction in developing countries

Paula Tavrow (1 hour)

Reading:

- ? Lary, H et al. Exploring the association between HIV and violence: young people's experiences with infidelity, violence and forced sex in Dar es Salaam, Tanzania. Int Fam Plan Perspect. 2004 Dec;30(4):200-6.

11/29/05

Course evaluations (15 min)

Adolescent sexual behavior, pregnancy and childbearing; Teen LGBT, Teen risk reduction

Colleen Keenan (90 min)

Readings:

- ? Contraceptive Technology, Chapter 29
- ? DiCenso et al. Interventions to reduce unintended pregnancies among adolescents: systematic review of randomised controlled trials. *BMJ*. 2002 Jun 15;324(7351):1426.
- ? Robin L, Dittus P, Whitaker D, Crosby R, Ethier K, Mezoff J, Miller K, Pappas-Deluca K. Behavioral interventions to reduce incidence of HIV, STD, and pregnancy among adolescents: a decade in review. *J Adolesc Health*. 2004 Jan;34(1):3-26. Review

Caesarian section issues

Kimberly Gregory (1 hour)

Readings:

- ? Ghetti, C., Chan, B., Guise, J. Physicians' responses to patient-requested cesarean delivery. *Birth*. 2004 Dec;31(4):280-4.
- ? McFarlin, B. Elective cesarean birth: issues and ethics of an informed decision. *J Midwifery Womens Health*. 2004 Sep-Oct;49(5):421-9.

12/6/05

Sexually-transmitted diseases (male and female), Sexual dysfunction

Anita Nelson (3 hours)

Readings:

- ? Contraceptive Technology, Chapters 6, 8
- ? Miller et al. Update on the prevention and treatment of sexually transmitted diseases. *Am Fam Physician*. 2003 May 1;67(9):1915-22.

12/8/05

Final Exam Review 4-6 pm (location to be decided)

FINAL EXAM Date, time and place to be decided

List of Lecturers

Angela Chen, MD, MPH, Assistant Clinical Professor, Ob-Gyn, UCLA School of Medicine

Alan DeCherney, MD, Professor, Ob-Gyn, UCLA School of Medicine

Kimberly Gregory, MD, MPH, Adjunct Associate Professor In-Residence, Department of Community Health Sciences, UCLA School of Public Health

Colleen Keenan, PhD, Vice Chair, Primary Care, UCLA School of Nursing

Michael Lu, MD, MPH, Assistant Professor, Community Health Sciences, UCLA School of Public Health and Ob-Gyn, UCLA School of Medicine

Anita Nelson, MD, Professor, Ob-Gyn, UCLA School of Medicine

Paula Tavrow, PhD, MSc, Visiting Associate Professor, Department of Community Health Sciences, UCLA School of Public Health