Perinatal Antiretroviral Guidelines Part I

I. Jean Davis, PhD, PA, AAHIVS

Howard University College of Medicine

HOWARD UNIVERSITY COLLEGE OF MEDICINE

AETC

CAPITOL REGION TELEHEALTH PROJECT

Howard University CME Accreditation

Sponsor Accreditation: Howard University College of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Credits for Physicians: Howard University College of Medicine, Office of Continuing Medical Education, designates this live activity for a maximum of 0.5 *AMA PRA Category I Credit(s)*™ . Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Funded by Health Resources Services Administration (HRSA) Grant #H4AHA24081

Goulda A. Downer, PhD, RD, LN, CNS – Principal Investigator/Project Director

HOWARD UNIVERSITY COLLEGE OF MEDICINE
AETC
CAPITOL REGION TELEHEALTH PROJECT

CME Disclosures: Planning Committee and Speaker

AETC-Capitol Region Telehealth Project
Planning Committee : The following committee members have nothing to disclose in relation to this activity:
Keith W. Crawford, RPH, PhD
I. Jean Davis, PhD, PA, AAHIVS
Goulda A. Downer, PhD, RD, LN, CNS
John I. McNeil , MD
Denise Bailey, MEd
Marjorie Doulas-Johnson, BA

Speaker: The following speaker has nothing to disclose in relation to this activity:
I. Jean Davis, PhD, PA, AAHIVS

Howard University CME Accreditation Requirements for Internet Viewers

Intended Audience: Low volume clinicians (i.e. those with fewer than 25 patients in their case load who are HIV positive): Physicians, Physician Assistants, Nurse Practitioners, Pharmacists, Dentists

Webinar Requirements: A computer with Internet accessibility and a telephone line

- Your presence on the call must be acknowledged at the start of each session. **Please announce your name loud and clear,** as well as sign in on the computer for the attendance list
- You will *not be able* to receive CME credit if you leave the call early

- At the end of the Webinar, please send an email to : mdouglas@howard.edu and the Training Coordinator will send you the CME Evaluation Survey to fill in.

- You must fill out the emailed survey at the end of each session in order to receive CME credit. It can be scanned and emailed back to mdouglas@howard.edu , or it can be faxed to: AETC-Capitol Region Telehealth Project (***FAX#: 202.667.1382***)
- ATTN: Training Coordinator

HOWARD UNIVERSITY COLLEGE OF MEDICINE
AETC
CAPITOL REGION TELEHEALTH PROJECT

Preinatal Antiretroviral Guidelines Part I

I. Jean Davis, PhD, PA, AAHIVS

Howard University College of Medicine

HOWARD UNIVERSITY COLLEGE OF MEDICINE

AETC

CAPITOL REGION TELEHEALTH PROJECT

Objectives

At the end of this webinar the participating providers will have an enhanced ability to:

- Explain the need for Preconception Counseling and Care for Women of childbearing age infected with HIV
- Define the Mechanisms of Action of Antiretroviral Prophylaxis in reducing Perinatal Transmission of HIV
- Describe Perinatal Transmission of HIV and Maternal HIV RNA Copy Number

HOWARD UNIVERSITY COLLEGE OF MEDICINE
AETC
CAPITOL REGION TELEHEALTH PROJECT

Clinical Case Study

Karen Wilson is a 28 year old African American same gender loving female who is HIV positive and would like to become pregnant. Her VL is undetectable and CD4 is 820.

Karen has a MS degree and is an assistant professor in Allied Health Science at the local community college. She has been married for 1 year to 40 year old Cindy who owns a fast food restaurant near the US Capital. Cindy has two adult girls from a previous marriage.

Karen admits to heterosexual and homosexual activity prior to meeting her wife 3 years ago. She also admits to a past history of substance use and is not practicing safe sex. She has had multiple sex partners with sexual activity including oral , vaginal, and anal intercourse.

Her past medical history is not significant for co-morbidities but positive for GC and HSV 2.

HOWARD UNIVERSITY COLLEGE OF MEDICINE
AETC
CAPITOL REGION TELEHEALTH PROJECT

Overview

- Antiretroviral (ARV) drugs reduce perinatal transmission by several mechanisms:
  - Lowering maternal antepartum viral load
  - Providing infant pre/post-exposure prophylaxis

- Combined antepartum, intrapartum, and infant ARV prophylaxis prevents HIV perinatal transmission

HOWARD UNIVERSITY COLLEGE OF MEDICINE
AETC
CAPITOL REGION TELEHEALTH PROJECT

Overview

- All pregnant women should be counseled about HIV transmission
- All pregnant women who are HIV-infected should be counseled on the paramount importance of perinatal transmission prevention
- All pregnant women who are HIV-infected should be counseled about the benefits of antiretroviral medication during and after pregnancy
- All pregnant women who are HIV-infected should be offered antiretroviral medications regardless of their HIV RNA levels or CD_4 count

HOWARD UNIVERSITY COLLEGE OF MEDICINE
AETC
CAPITOL REGION TELEHEALTH PROJECT

Preconception Counseling and Care for Women Infected with HIV

- Discuss childbearing intentions with all women on an ongoing basis throughout the course of their care

- Provide information on effective and appropriate contraceptive methods to reduce the likelihood of unintended pregnancy

HOWARD UNIVERSITY COLLEGE OF MEDICINE
AETC
CAPITOL REGION TELEHEALTH PROJECT

Preconception Counseling for Women Infected with HIV

- Women selecting to become pregnant must be provided preconception counseling without bias

- Preconception counseling must include:
  - Information on safer sexual practice
  - Elimination of alcohol
  - Elimination of elicit drugs
  - Elimination of smoking

- During preconception counseling providers must explicate the importance of these tailored behavioral modifications as it relates to the patient's health as well as the health of fetal/infant , should pregnancy occur

HOWARD UNIVERSITY COLLEGE OF MEDICINE
AETC
CAPITOL REGION TELEHEALTH PROJECT

Care for Women infected with HIV

- When evaluating HIV-infected women assessment must include:
  - HIV disease status
  - Need for antiretroviral therapy (ART) for their own health

- ART regimen must be selected based on these consideration:
  - Effectiveness for treatment of maternal disease
  - Hepatitis B virus disease status
  - Teratogenic potential of the drugs in the regimen
  - Possible adverse outcomes for mother and fetus

HOWARD UNIVERSITY COLLEGE OF MEDICINE
AETC
CAPITOL REGION
TELEHEALTH PROJECT

Collaborative Care

- Those decisions should be made in consultation with the provider who will assume responsibility for the women's HIV care after delivery.
- Coordination of services among prenatal care providers, primary care and HIV specialty care providers, mental health and drug abuse treatment services, and public assistance programs is essential to ensure that infected women adhere to their ARV drug regimens

HOWARD UNIVERSITY COLLEGE OF MEDICINE
AETC
CAPITOL REGION
TELEHEALTH PROJECT

Clinical Case Study

Karen Wilson is a 28 year old African American same gender loving female who is HIV positive and would like to become pregnant. Her VL is undetectable and CD4 is 820.

Karen has a MS degree and is an assistant professor in Allied Health Science at the local community college. She has been married for 1 year to 40 year old Cindy who owns a fast food restaurant near the US Capital. Cindy has two adult girls from a previous marriage.

Karen admits to heterosexual and homosexual activity prior to meeting her wife 3 years ago. She also admits to a past history of substance use and is not practicing Safe sex. She has had multiple sex partners with sexual activity including oral , vaginal, and anal intercourse.

Her past medical history is not significant for co-morbidities but positive for GC and HSV 2.

HOWARD UNIVERSITY COLLEGE OF MEDICINE
AETC
CAPITOL REGION
TELEHEALTH PROJECT

Clinical Case Study

Let's Talk

- Childbearing Age
- Educational Status
- Sexual History
- Counseling
- Partner Notification
- Treatment Plan

HOWARD UNIVERSITY COLLEGE OF MEDICINE
AETC
CAPITOL REGION TELEHEALTH PROJECT

Questions?

Resources

- Recommendations for Use of Antiretroviral Drugs in Pregnant HIV-1-Infected Women for Maternal Health and Interventions to Reduce Perinatal HIV Transmission in the United States (2012) http://aidsinfo.nih.gov/guidelines/html/3/perinatal-guidelines/0

- New guidance on prevention of mother-to-child transmission of HIV and infant feeding in the context of HIV (2010) http://www.who.int/hiv/pub/mtct/PMTCTfactsheet/en/

- http://www.aids-ed.org/

- www.aetcnmc.org

- www.capitolregiontelehealth.org

HOWARD UNIVERSITY COLLEGE OF MEDICINE
AETC
CAPITOL REGION TELEHEALTH PROJECT

HOWARD UNIVERSITY COLLEGE OF MEDICINE

AETC

CAPITOL REGION TELEHEALTH PROJECT

For a copy of the CME Evaluation Survey
Please email Marjorie Douglas-Johnson at
mdouglas@howard.edu

www.capitolregiontelehealth.org

www.aetcnmc.org