Topics in Gynecology

Dr. Fred Frank
“Support needing populations through medical assistance and the transfer of knowledge to local medical practitioners.”

Our vision for the Medical Assistance & Medical Education (MAME) Programs
Presentation Overview

• Contraception
• Dysfunctional Bleeding
• Sexually transmitted infections
• Vaginitis/Vulvitis
• Malignancies
• Menopause
• Pelvic pain
• Endocrine dysfunction
• Infertility
• Sexual dysfunction
• Gender dysphoria
• Sexual assault/Domestic violence
Contraception

- Sterilization
Contraception

• Sterilization
• Barrier Methods
Contraception

- Sterilization
- Barrier Methods
- Intra-uterine Devices
Contraception

- Sterilization
- Barrier Methods
- Intra-uterine Devices
- Hormonal manipulation
Contraception

• Sterilization
• Barrier Methods
• Intra-uterine Devices
• Hormonal manipulation:
  – Pills
    • Cyclic (mono and tri-phasic)
    • Continuous
    • Progestin only
Contraception

• Sterilization
• Barrier Methods
• Intra-uterine Devices
• Hormonal manipulation:
  – Pills
    • Cyclic (mono and tri-phasic)
    • Continuous
    • Progestin only
  – Depo Provera
Contraception

• Sterilization
• Barrier Methods
• Intra-uterine Devices
• Hormonal manipulation:
  – Pills
    • Cyclic (mono and tri-phasic)
    • Continuous
    • Progestin only
  – Depo Provera
  – Implantable
Dysfunction Bleeding

• “Women’s health in peri-urban Burma is conceived in terms of blood… The regulation and volume of blood at menstruation and childbirth are the fundamental indicators of health and well-being.”¹

¹ Skidmore, M., Menstrual Madness: women’s health and well-being in urban Burma (Women Health: 2002; 35(4):81-99)
Dysfunctional Bleeding

- Vaginal or Cervical lesions
Dysfunctional Bleeding

• Vaginal or Cervical lesions
• Polyps
Dysfunctional Bleeding

- Vaginal or Cervical lesions
- Polyps
- Fibroids
Dysfunctional Bleeding

- Vaginal or Cervical lesions
- Polyps
- Fibroids
- Hormonal imbalances
Dysfunctional Bleeding

- Vaginal or Cervical lesions
- Polyps
- Fibroids
- Hormonal imbalances
- Infection
Dysfunctional Bleeding

- Vaginal or Cervical lesions
- Polyps
- Fibroids
- Hormonal imbalances
- Infection
- Miscarriage
Dysfunctional Bleeding

- Vaginal or Cervical lesions
- Polyps
- Fibroids
- Hormonal imbalances
- Infection
- Miscarriage
- Malignancy
Sexually Transmitted Infections
Bacteria Vaginosis Discharge
Sexually Transmitted Infections

- Bacterial vaginosis
Sexually Transmitted Infections

- Bacterial vaginosis
- Chlamydia
- Gonorrhea
Sexually Transmitted Infections

- Bacterial vaginosis
- Chlamydia
- Gonorrhea
- Condyloma
Sexually Transmitted Infections

- Bacterial vaginosis
- Chlamydia
- Gonorrhea
- Condyloma
- Herpes
Sexually Transmitted Infections

- Bacterial vaginosis
- Chlamydia
- Gonorrhea
- Condyloma
- Herpes
- Syphilis
Sexually Transmitted Infections

- Bacterial vaginosis
- Chlamydia
- Gonorrhea
- Condyloma
- Herpes
- Syphilis
- Pubic lice
Sexually Transmitted Infections

- Bacterial vaginosis
- Chlamydia
- Gonorrhea
- Syphilis
- Condyloma
- Herpes
- Trichomoniasis
Sexually Transmitted Infections

- Bacterial vaginosis
- Chlamydia
- Gonorrhea
- Syphilis
- Condyloma
- Herpes
- Trichomoniasis
- Pubic lice
- Chancroid
Vaginitis/Vulvitis

- Yeast
Vaginitis/Vulvitis

- Yeast
- Lichen planus
Vaginitis/Vulvitis

- Yeast
- Lichen planus
- Lichen sclerosis
Vaginitis/Vulvitis

- Yeast
- Lichen planus
- Lichen sclerosis
- Atrophy
Vaginitis/Vulvitis

- Yeast
- Lichen sclerosis
- Lichen planus
- Atrophy
- Desquamative inflammatory vaginosis
Malignancies

- Cervical
Malignancies

• Cervical
• Vulvo-vaginal
Malignancies

• Cervical
• Uterine
Malignancies

• Cervical
• Uterine
• Ovarian (& Fallopian Tube)
Malignancies

- Cervical
- Vulvo-vaginal
- Uterine
- Ovarian (& Fallopian Tube)
- Trophoblastic
Menopause

• Symptoms
  – Hot flashes
  – Night sweats
  – Vaginal dryness
  – Mood changes

• Health risks
  – Bone loss
Pelvic Pain

Etiology:
- Gastro-intestinal?
- Urinary?
- Musculo-skeletal?
- Supratentorial

- Gynaecological?
Pelvic Pain: Gyn Causes

• Menstrual issues
Pelvic Pain: Gyn Causes

- Menstrual issues
- Vulvar and vaginal conditions
Pelvic Pain: Gyn Causes

- Menstrual issues
- Vulvar and vaginal conditions
- Fibroids
Pelvic Pain: Gyn Causes

- Menstrual issues
- Vulvar and vaginal conditions
- Fibroids
- Ovarian Cysts
Pelvic Pain: Gyn Causes

• Menstrual issues
• Vulvar and vaginal conditions
• Fibroids
• Ovarian Cysts
• Endometriosis
Endocrine Conditions
Thinning hair

Moon face and ruddy complexion

Buffalo hump

Supraclavicular fat pad

Hirsutism

Thinning extremities with muscle wasting and fat mobilization

Truncal obesity with pendulous breasts and abdomen

Broad purple striae

Thinning pubic and axillary hair in women

Ecchymoses

Thin, fragile skin

Impaired wound healing and immune response

Hyperpigmentation in Addison's Disease
PCOS

- Acne
- Weight gain and trouble losing weight
- Extra hair on the face and body
  - Often women get thicker and darker facial hair and more hair on the chest, belly, and back.
- Thinning hair on the scalp.
- Irregular periods
  - Often women with PCOS have fewer than nine periods a year. Some women have no periods. Others have very heavy bleeding.
- Fertility problems.
  - Many women who have PCOS have trouble getting pregnant (infertility).
- Depression
Infertility

• Male

• Female
Infertility: Female

- Anovulation
Infertility: Female

- Anovulation
- Tubal blockage
Infertility: Female

- Anovulation
- Tubal blockage
- Implantation issues
Infertility: Female

- Anovulation
- Tubal blockage
- Implantation issues
- Luteal phase defects
Infertility: Female

- Anovulation
- Tubal blockage
- Implantation issues
- Luteal phase defects
- Multiple miscarriages
Sexual Dysfunction

• Desire
Sexual Dysfunction

- Desire
- Arousal
Sexual Dysfunction

• Desire
• Arousal
• Orgasm
Sexual Dysfunction

• Desire
• Arousal
• Orgasm

• Physical
  – Pain, Chronic disease, Alcoholism, Medications
Sexual Dysfunction

- Desire
- Arousal
- Orgasm

- Physical
  - Pain, Chronic disease, Alcoholism, Medications
- Psychological
Gender Dysphoria

Prevalence:

1:2000 to 1%

Condition wherein a person experiences discomfort or distress because there is a mismatch between their biological sex and gender identity.
Gender Dysphoria

• Cause?

• Signs and Symptoms:
  – Disgust at own genitalia
  – Social isolation, anxiety, depression

• Diagnosis?

• Management: support, hormones, surgery
Sexual Assault/Domestic Violence
Rape at the national level, number of police-recorded offences (rate/100,000) - United nations (2012)

Source: United nations office on drugs and crime “CTS2013_SexualViolence.xls”
DID YOU KNOW?

1/3 of women in the world have experienced sexual, physical, emotional, or other abuse in their lifetime.
Thank You!
Thank you

For further information please contact:

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