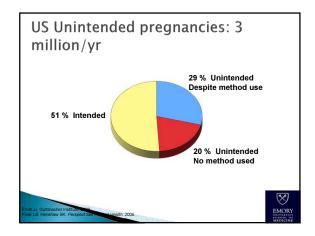


Disclosures • Faculty trainer • Merck (Nexplanon) • Research funding • Medicines 360 (Lng IUD) • Springer • Contraceptive text

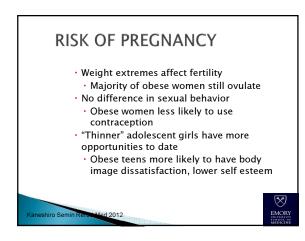


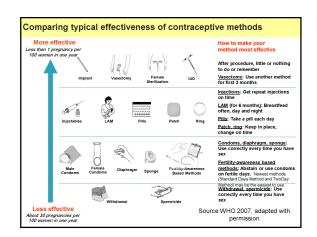
OBJECTIVES Identify:

- Identify
- Adverse reproductive effects related to obesity
- > Effectiveness and safety of contraception
- Strategies for counseling

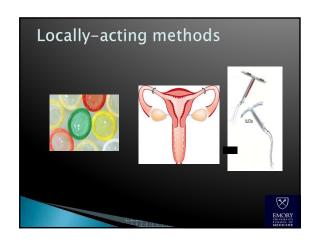




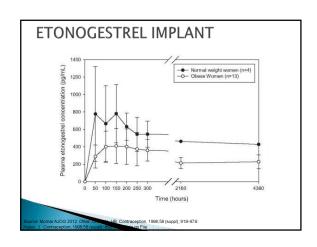




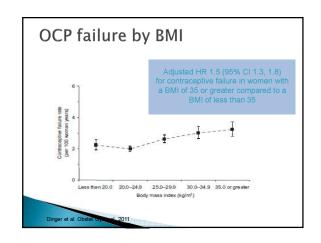


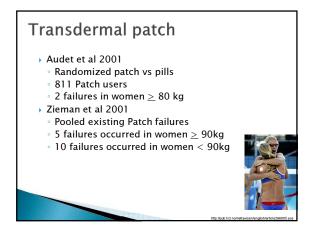


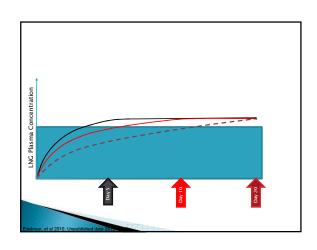




Depot Medroxyprogesterone acetate Jain et al 2004: Randomized: 150 mg IM vs. 104 mg SC 26/63 patients = obese or overweight No failures Segall-Guiterrez et al 2010: 10 morbidly obese women 104 mg SC DMPA No ovulations after the first week



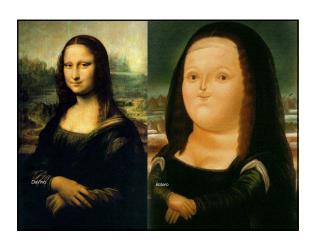




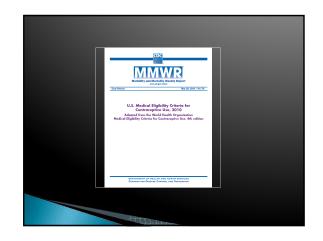
Transvaginal ring

Dieben et al 2002
Prospective cohort study
BMI > 29 kg/m² = 20/2322
Total 21 pregnancies occurred overall
Secondary analysis of phase 3 studies
Only 74 women with weight > 189 lbs
Dragoman 2012 abstract
No ovulation for 42 days in normal or obese women

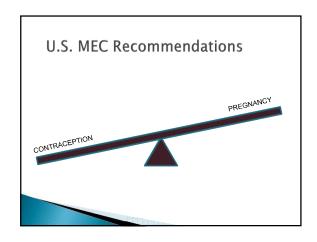
Source Dieban, Rollings 201 Hum Reprod: Oddsson 2005 Contra; Ahrendt 2006 Contra;













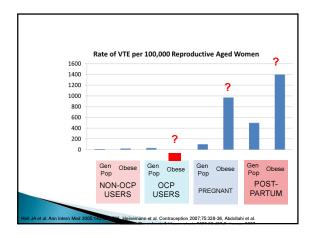


Obesity · Sixty-si

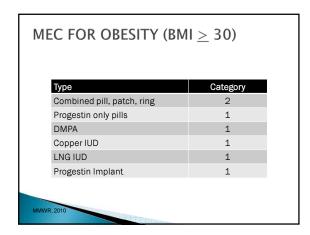
- Sixty-six percent of US adults are overweight or obese
- Obesity doubles the risk of venous thromboembolism
- Increases risk of hypertension, diabetes, hypercholesterolemia
- Obese women are at risk for pregnancyrelated complications, birth defects

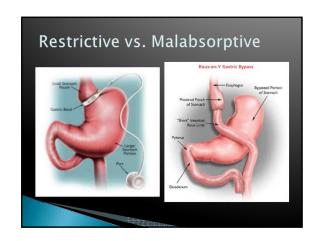


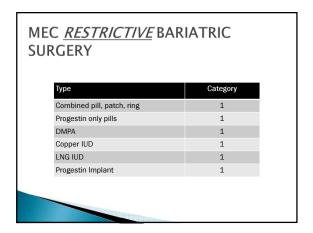




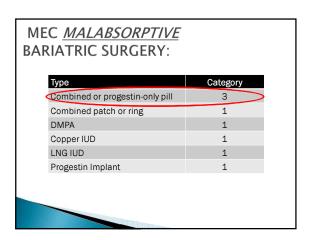
Contraception after bariatric surgery: Why? With decreasing weight and accompanying metabolic changes, menstrual cycles may normalize and fertility improve Guidelines are to delay pregnancy for 2 years after surgery Postoperative complications, metabolic changes Many surgical patients are women of reproductive age





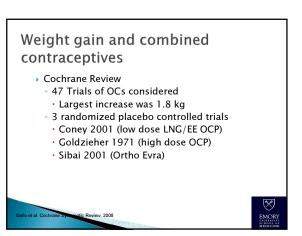




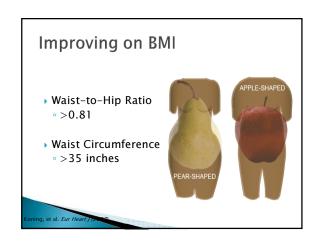


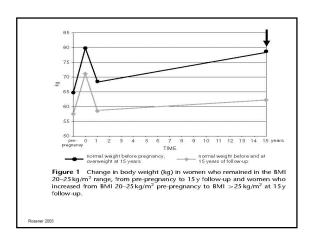


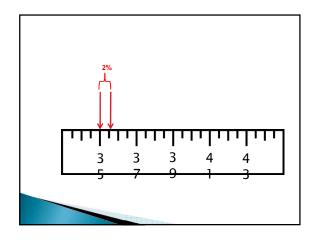
Take Home Message The use of contraception is generally safer than unintended pregnancy.

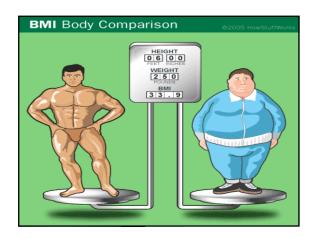




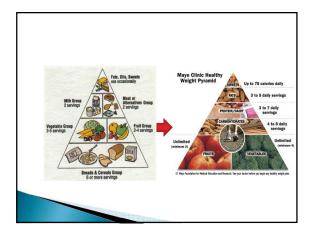












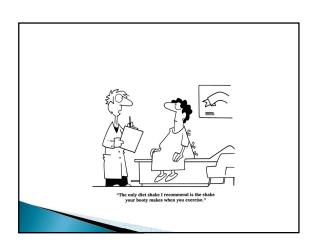
References

- Centers for Disease Control and Prevention, U.S. Medical Eligibility Criteria for Contraceptive Use, MMWR, 2010.

 Paulen ME, Zapata LB, Cansino C, Curtis KM, Jamieson DJ, Contraceptive use among women with a history of bariatric surgery: a systematic review, Contraception 2010.

 Lopez LM, Grimes DA, Chen-Mok M, Westhoff C, Edelman A, Helmerhorst FM, Hormonal contraceptives for contraception in overweight or obese women. Cochrane Library, 2010.
- Gallo MF, Lopez LM, Grimes DA, Schulz KF, Helmerhorst FM, Combination contraceptives: effects on weight. Cochrane Library, 2011.





References

- Kaneshiro B, Contraceptive use and sexual behavior in obese women, Semin Reprod Med, 2012
- Edelman A, Contraceptive considerations in obese women. Contraception, 2009.
- Mornar S, Chan LN, Mistretta S, Neustadt A, Martins S, Giiliam M, Pharmacokinetics of the etonogestrel contraceptive implant in obese women. Am J Obstet Gynecol, 2012
- Kaunitz AM, Injectable long-acting contraceptives, Clin Obstet Gynecol, 2001
- Gynecoi, 2001

 Zieman M, Guillebaud J, Weisberg E, Shangold GA, Fisher AC, Creasy GW, Contraceptive efficacy and cycle control with the Ortho Evra/Evra transdermal system: the analysis of pooled data. Fertl Steril, 2001

