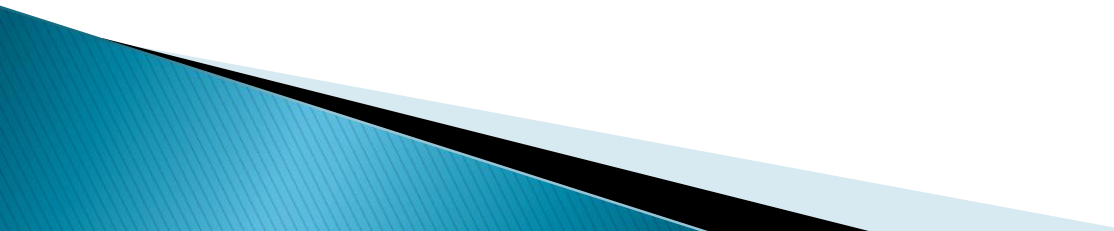


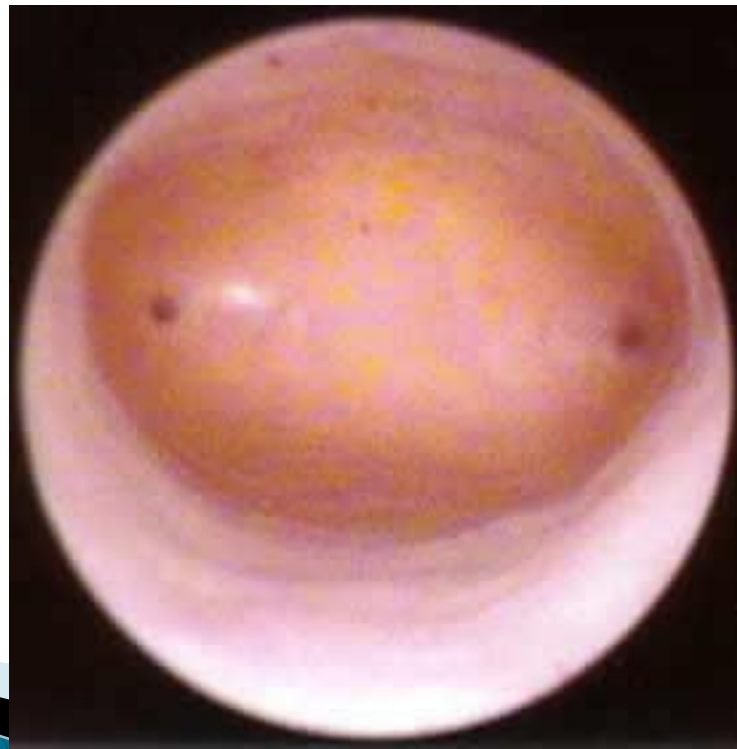
Intrauterin Endometrial Patolojilerin Yönetimi

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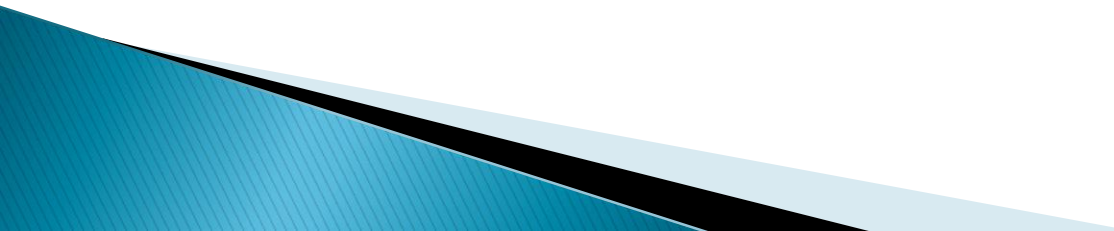
- ▶ Intrauterin endometrial patolojiler
 - ▶ Etki Mekanizması
 - ▶ Teshis
 - ▶ Yonetim
- 

▶ **Ozellikle recurrent implantation failure da tekrar araştırilmali**

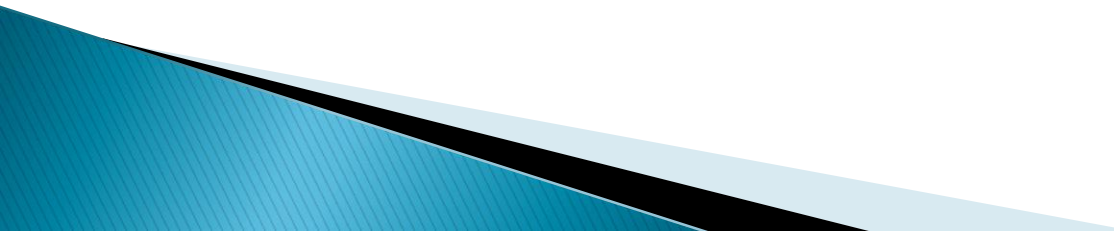
- Coughlan C et al, 2014 Reprod Biomed Online
- Practice Committee opinion of ASRM 2012



Intrauterin endometrial patolojiler

- ▶ Konjenital
 - ▶ Endometrial polip
 - ▶ Submukoz myoma
 - ▶ Basi yapan myoma
 - ▶ Intrauterin enfeksiyonlar
 - ▶ Ince Endometrium
 - ▶ Asherman syndrome
- 

Teshis

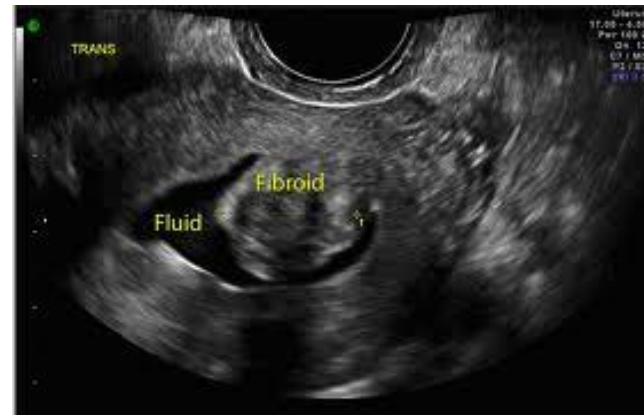
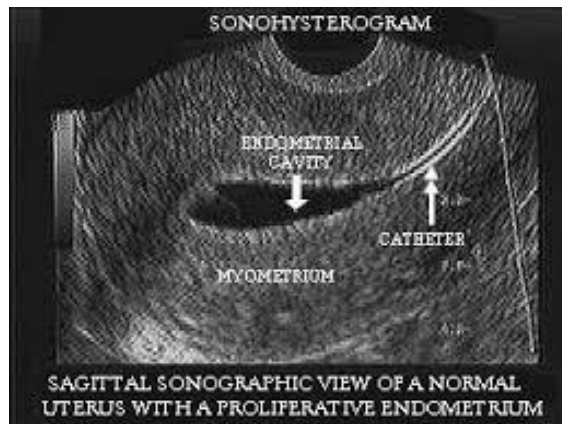
- ▶ HSG
 - ▶ Trans vajinal USG
 - ▶ Sono USG
 - ▶ 3 dimensional transvaginal usg
 - ▶ histeroskopi
- 

HSG

- ▶ yüksek sensitivite (60–98%),
- ▶ düşük spesifite (15–80%) uterine anomali tanisinda
 - Berger et al, J Minim Invasive Gynecol 2012

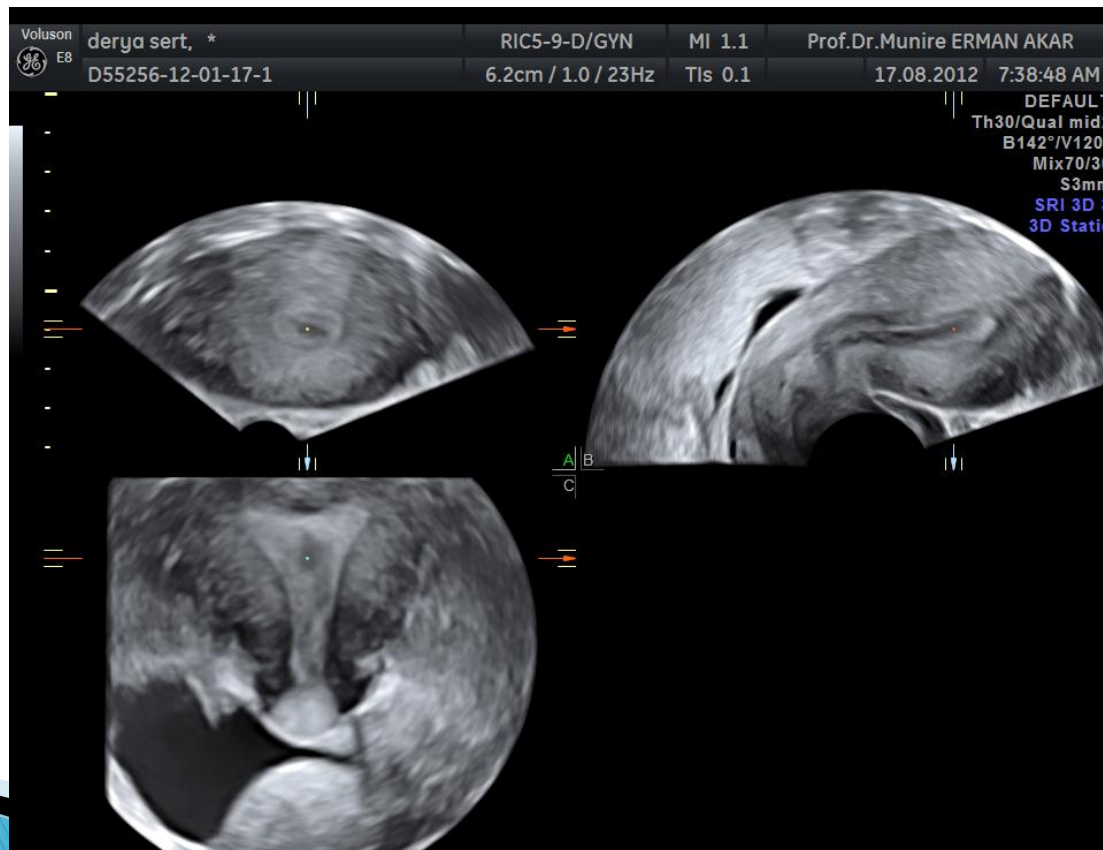
Sono USG

- ▶ SHG intrauterine anomalilerin (polip, submucosal fibroid, adezyon, septa ve diger uterine anomaliler) tanisinda yuksek spesifite
 - Kodaman PH, Curr Opin Obstet Gynecol 2007



3D Ultrasound

- ▶ Sensitivite 91.9% , spesifisite 98.8%
 - Negm et al, J Minim Invasive Gynecol, 2012

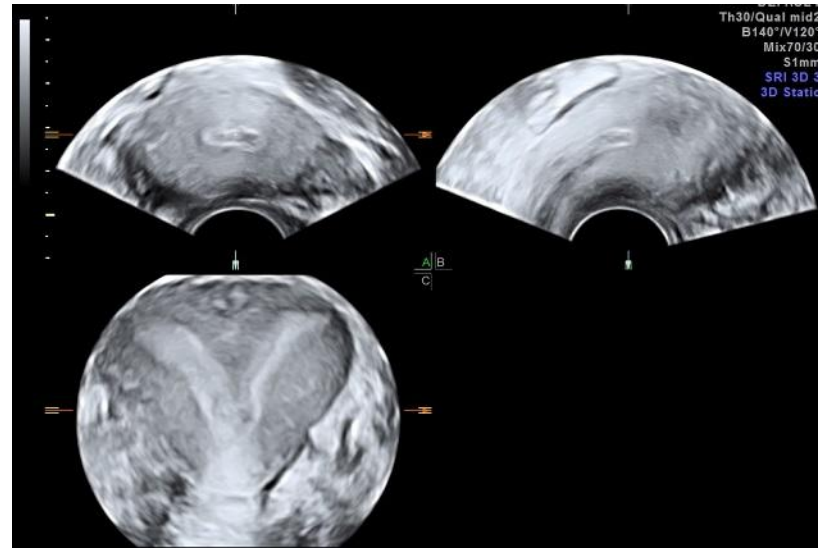
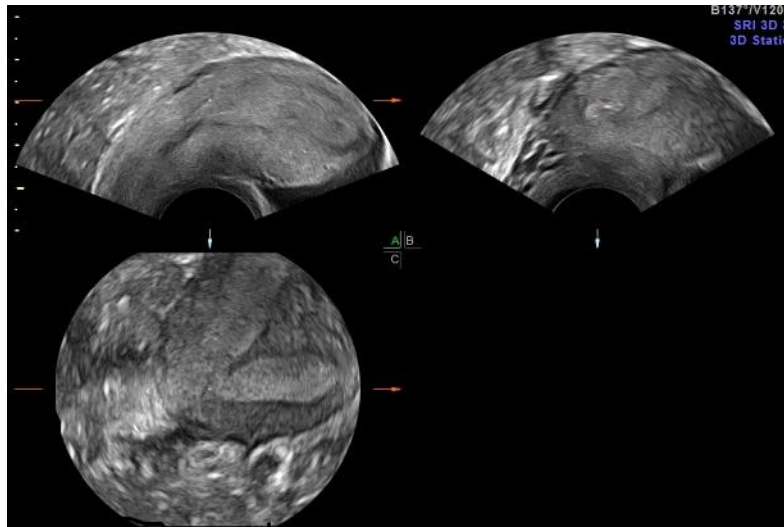


Histeroskopi

- ▶ Uterin kavite degerlendirmede altin standart
- ▶ Direkt biopsi ve rezeksiyonla tedavi imkani saglar
- ▶ Gelecekte yapılacak embryo transferini kolaylastirabilir
- ▶ HSG, TVS veya SHG sonrasinda supheli intrauterin patolojide rezeksiyon sansi verir
 - Coughlan C, Reprod Biomed Online 2014

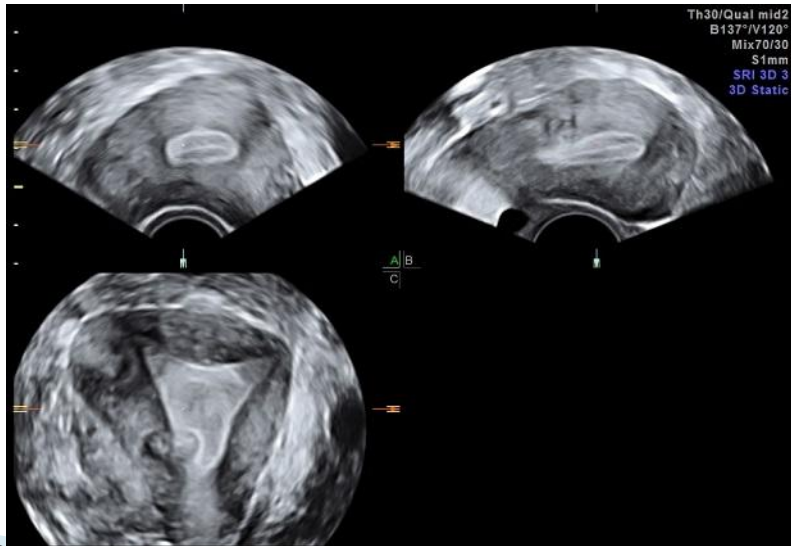
Konjenital intrauterin patolojiler

- ▶ Uterine septum
- ▶ Unicornuate uterus
- ▶ Bicornuate Uterus
- ▶ Didelphys uterus
- ▶ Arkuate uterus
 - Akar et al, Aust N Z J Obstet Gynecol 2004
 - Heinonen PK et al Europ J Obstet Gynecol 2000



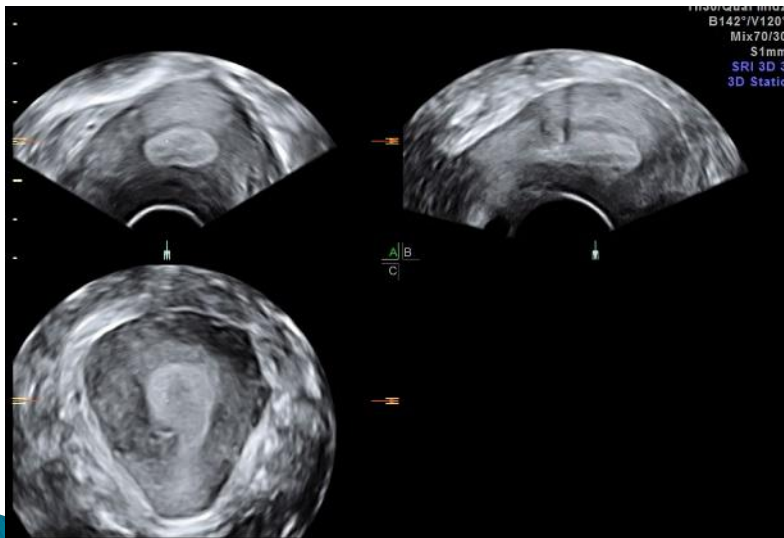
Endometrial polip

- ▶ Ultrasonda teshis edilen $> 16\text{mm}$ polip eksizyonu gebelik oranini 2 ye katliyor
 - Bosteels J, Human Reprod Update 2010



Submukoz myoma

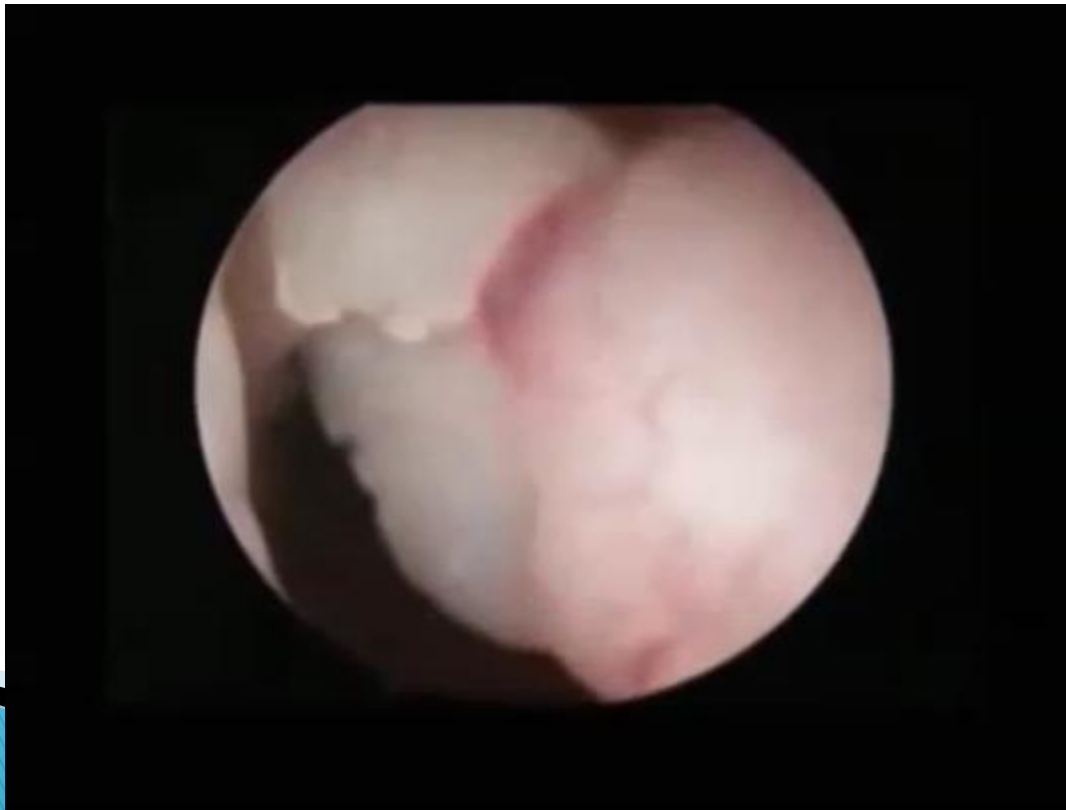
- ▶ Hysteroskopik myomektomi gebelik oranlarini arttirir
 - Shokeir T et al, Fertil Steril 2010





Intrauterin enfeksiyonlar

- ▶ Genital tuberculosis ve infertilite
 - Gupta et al, Int J Obstet Gynecol 2007
 - Caliskan E et al, J Obstet Gynecol Research 2014



Intrauterine girişimler sonrası

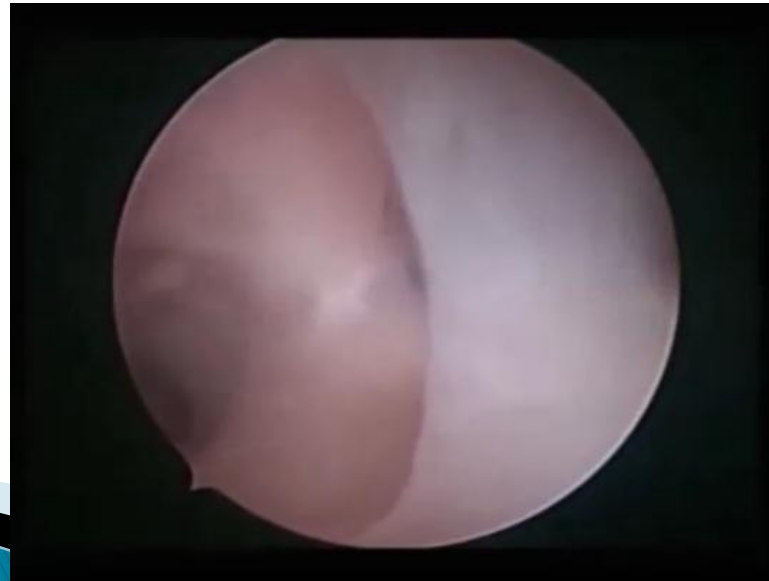
- ▶ Kuretaj sonrası
- ▶ Histeroskopik myomektomi sonrası
- ▶ Sezaryen sonrası
- ▶ IUA ve infertilite
 - NEJM, 2001

Ince endometrium

- ▶ GCSF uygulanımı
 - Gleicher N et al, Human Reprod 2013
- ▶ Pentoxifillin, tocopherol
 - Letur Konirsch et al, Fertil Steril 2003

Asherman syndrome

- ▶ Preoperatif estrogen ve progesteron kullanımı
- ▶ Uterin balon kateter yerleştirme
- ▶ Postoperatif RIA kullanımı
- ▶ Kac girisim yapilmali
 - March CM, Reprod Biomed Online 2011
 - Fernandez et al, Fertil Steril 2012



Sonuc

- ▶ Transvaginal ultrasound HSG ve SHG IVF oncesi kavitenin degerlendirilmesinde rutin testler
- ▶ Intrauterin patoloji varliginda tani ve tedavide histeroskopi altin standart
- ▶ Gelecek
- ▶ tanida 3D SHG, tedavide ofis histeroskopi