# 5/st GLOBAL CONGRESS ON MIGS

December 1-4, 2022 | Gaylord Rockies Resort and Convention Center | Aurora, Colorado

# SYLLABUS

ENDO-604: Building Excellence in Patient Centered Endometriosis Management

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# **FACULTY DISCLOSURE**

The following have agreed to provide verbal disclosure of their relationships prior to their presentations. They have also agreed to support their presentations and clinical recommendations with the "best available evidence" from medical literature (in alphabetical order by last name).

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Andrea Vidali, MD – Stockholder: Pregmune Ilc

# **ENDO-604: Building Excellence in Patient Centered Endometriosis Management**

Chair: Cindy M. Mosbrucker, MD, Jeff T. Arrington, MD

Faculty: Maria Victoria Vargas, MD, MSc, Andrea Vidali, MD

# **Course Description**

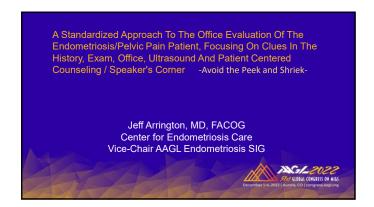
This session will present a structured approach to the diagnosis and surgical treatment for stage III-IV and deeply infiltrative endometriosis. The course will be led by experienced endometriosis surgeons who will present pearls and techniques that can be used by surgeons of all levels. The course will take a holistic approach, presenting discussions and videos when appropriate on preoperative patient evaluation, counseling, surgical technique, post-operative management, multidisciplinary teams, and the approach to pain that is refractory to surgery.

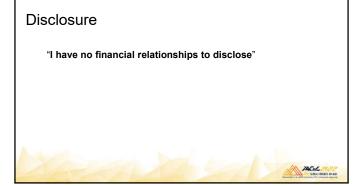
# **Learning Objectives**

At the conclusion of this course, the participant will be able to: 1) Implement preoperative diagnostic strategies for advanced and deeply infiltrative endometriosis; 2) Integrate strategies for patient centered counseling and appropriate case selection; and 3) Employ the components necessary to build a holistic multidisciplinary team.

# **Course Outline**

7:00 am	Welcome, Introduction and Course Overview	C.M. Mosbrucker/
7:05 am	A Standardized Approach to the Office Evaluation of the Endometriosis/Pelvic Pain Patient, Focusing on Clues in the History, Exam, Office, Ultrasound and Patient Centered Counseling	J.T. Arrington  J.T. Arrington
7:30 am	Endometriosis Related Infertility and the Surgical Approach to Endometriosis	A. Vidali
7:55 am	A Standardized Approach to the Pelvic Sidewall and Rectovaginal Septum	C.M. Mosbrucker
8:20 am	The Systematic Survey of the Abdomen and Pelvis, Correlating Disease Appearance with Pathology and Recording Your Findings with the AAGL Staging App	M.V. Vargas
8:45 am	Case Presentation and Panel Discussion on Recurrent Pelvic Pain After Excision	All Faculty
9:10 am	Questions & Answers	All Faculty
9:30 am	Adjourn	

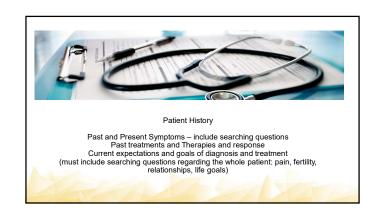




# Objectives

- · Ascertain important aspects of endometriosis in patient history
- · Apply pertinent history to the physical examination
- · Determine appropriate adjunct studies
- Utilize history, exam, and studies to educate the patient and allow an informed decision







# Physical Exam Guided by history

- Must be a focused exam cannot be cursory "annual" pelvic exam
- Focus on pain or abnormality at each stage of the pelvic exam

  - Adm

    Introitus, left &right obturator internus and levator muscles

    Posterior fornix smooth, tethering, nodular

    Use speculum to look behind cervix if concern for nodular thickness

    Uterus and Adnexae

    Rectovaginal exam if warranted by history or vaginal exam findings

    Pararectal tissue

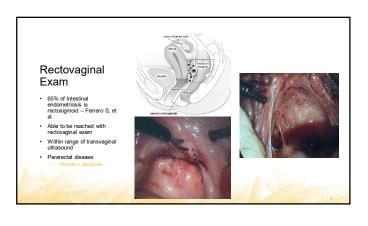
    Abdensed leasting

  - Abdominal incision Neuromuscular
- Do the exam. Note what normal feels like to detect differences, then correlate with operative findings

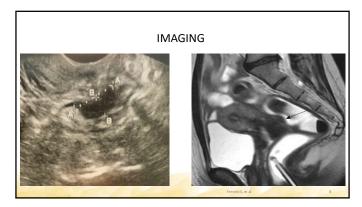


# Full Thickness Vaginal Endo

- · Feel behind cervix nodules, tethering on sweep.
- Anything concerning findings on bimanual should be visualized with a speculum exam
- Speculum placed to elevate the cervix and see the posterior fornix
- Consider biopsy to confirm diagnosis with appropriate history, endometriosis is most likely diagnosis

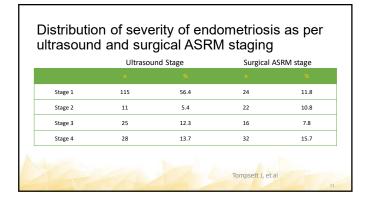


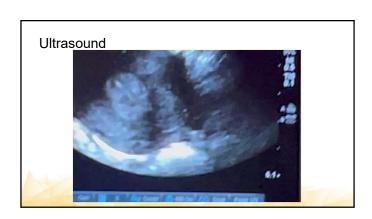
exam



# Imaging necessary? • What concerns arise from history and/or physical • What is the most appropriate study? What studies are available? Who will read the study? Will it give pertinent information for informed consent? · Will it alter the plan?

# Ultrasound UBESS – Ultrasound Based Endometriosis Scoring System Endometriosis focused Bladder Ovaries Uterosacral ligaments RV septum/vagina Rectosigmoid colon Can it be done in office? https://www.youtube.com/watch?v=8PLR0q5TYUA Just start! Note findings and correlate with exam and operative findings

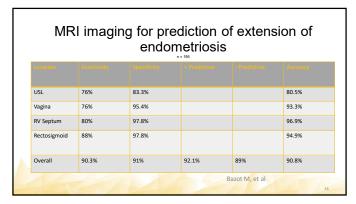














# What is Informed Consent

 A process of communication that enables the patient to make an informed and voluntary decision about accepting or declining medical care (ACOG – 2015)

# Principles of Informed Consent

- Ethical Requirement
- Expresses Respect for the Patient as a Person
- Protects the Patient
- Provides Opportunity for Active Involvement
- · Mutual Sharing of Information that Facilitates the Patient's
- Comprehension and Free Consent = Self Determination

# Consent is Freedom from:

- Manipulation
- · Infringement of Bodily Integrity
- Being Acted on by Others Without Respecting the Individual's Own Preference and Choice
- · Medical Recommendations may be given when they are not coercive or

# Provider Ethical Responsibilities

- · Accuracy governed by the ethical requirement of truth-telling
- · Common practice. ie "Standard of Care"
- · Needs and expectations of an ordinary individual
- · Unique needs of and Individual Patient

# Provider Requirements and Limitations

- Obligation to be current in their own knowledge about treatments and the disease processes
- · Make clear that continued medical care is not contingent on making the choice the physician prefers (limited exceptions)
- Providers also have free choice and may decline care they deem medically inappropriate or ethically objectionable
- Conscientious refusal: provider must still provide the patient with accurate and unbiased information about medical options and make appropriate referrals.

### References

- Ferrero S, et al. Epidemiology of Bowel Endometriosis in: Ferrero S, Ceccaroni M (eds) Clinical Management of Bowel Endometriosis. Spinger, pp 13-22

  Menakay S, et al. Performance of Ultrasound Based Endometriosis Staging System (UBESS) for Predicting
- Level of Complexity of Laparoscopic Surgery for Endometriosis. Ultrasound Obstet Gynecol, 2016 Dec;48(6):786-795
- Dec., 40(1), 109-109.
  Tompset J., et al, Ultrasound-Based Endometriosis Staging System Validation Study to Predict Complexity of Laparoscopic Surgery. J Minim Invasive Gynecol. 2019 Mar-Apr;26(3):477-483
  Thalluri A, et al. MRI Findings in Deep Infiltrating Endometriosis: A Pictorial Essay. J Med Imaging Radiat Oncol. 2017 Dec;61(6):767-773
- Bazot M, et al. Deep Pelvic Endometriosis: MR Imaging for Diagnosis and Prediction of Extension of Disease. Radiology. 2004 Aug;232(2):379-389
- Informed Consent and Shared Decision Making in Obstetrics and Gynecology, American College of Obstetrics and Gynecology. Committee Opinion Number 819. 2021 Feb





# ENDOMETRIOSIS RELATED INFERTILITY AND SURGICAL APPROACH TO ENDOMETRIOMA Andrea Vidali Mo ENDO-604 - Building Excellence in Patient Centered Endometriosis Management

# The great endometriosis dilemma

- Standard treatments aimed at eradication of endometriotic lesions have been adopted largely on the basis of uncontrolled studies.
  - Vercellini et al. Human Reproduction, Vol.24, No.2 pp. 254–269, 2009
- Clinical care is sometimes in contrast with the current evidence from the reproductive literature.
- Managing endometriosis and infertility requires a balancing act.
- It is important to inform and educate patients.

# Disclosure

■ Stockholder: Pregmune Ilc. . <u>WWW.pregmune.com</u>

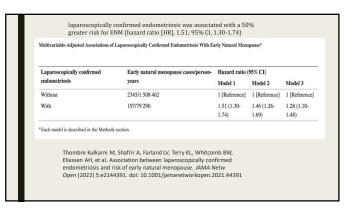
# DOES ENDOMETRIOSIS CAUSE INFERTILITY?

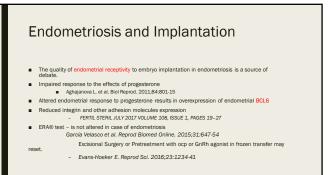
# Endometriosis role in infertility

- If we consider advanced endometriosis with anatomical impairment the answer is very simple.
- Most of the scientific debate is on alternative causative effects beyond anatomical
- Role of pain: For a successful natural conception, the feasibility of sexual intercourse is an important prerequisite, and one that is often neglected

# Nurses Health Study

- Nurses Health Study (58 427 married premenopausal female) 2-fold increased risk of incident infertility (HR = 2.12, 95% CI = 1.76-2.56). This was true only for age <35</li>
  - Among women with primary infertility, 50% became parous after the endometriosis diagnosis, and among all women with endometriosis, 83% were parous by age 40 years
  - J. Prescott et Al., A prospective cohort study of endometriosis and subsequent risk of infertility, *Human Reproduction*, Volume 31, Issue 7, July 2016, Pages 1475–1482, https://doi.org/10.1093/humrep/dew085
- Focus on ovarian reserve?





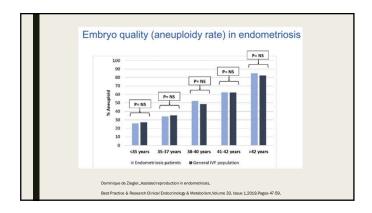
# Endometriosis and oocyte donation: Mixed Evidence on Implantation

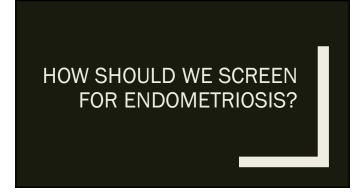
- In a prospective matched case-control study, IVF outcomes of women with or without endometriosis that received 'siblings' oocytes from the same "healthy" donor were evaluated. Pregnancy, implantation, and miscarriage rates were not affected by moderate/svere endometriosis when compared with the control group.
  - Díaz I, Navarro J, Blasco L, Simón C, Pellicer A, Remohí J. Impact of stage IIIIV endometriosis on recipients of sibling oocytes: matched case-control study. Fertil Steril. 2000;74:31–4.
- A separate study arrived at opposite results.
  - Prapas et al History of endometriosis may adversely affect the outcome in menopausal recipients of sibling oocytes.Reprod Biomed Online. 2012; 25: 543-548

# Endometriosis and Oocyte quality: pathogenesis

- - - Toya M, Saito H, Ohta N, Saito T, Kaneko T, Hirol M. Moderate and severe endometrions is associated with alterations in the cell cycle of gran
      in patients undergoing in vitro fertilization and embryo transfer. Fertil Steril. 2000;73:344-50.

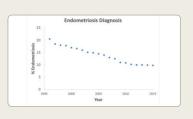
- ction of intrafollicular environment
  Increased follicular oxidative Stress
  Elevated inflammatory cytokines
  Lower steroid levels
  Nagakawa. Et al Arch Gybecol Obstets 2016 293





# **IVF: ENDOMETRIOSIS IS UNDERDIAGNOSED**

 According to SARTstatistics, the prevalence of endometriosis as a diagnosis in women undergoing IVF has steadily declined. This is likely due to a decrease in laparoscopy and greater reliance on IVF as a primary treatment for unexplained infertility. (Source: provided by ART Surveillant).



# Non-invasive diagnosis

- We have to face the fact that diagnostic laparoscopy is not the standard of care ART imposes itself as the best first-line therapeutic option.
- Significant progress in both ultrasound and mri diagnosis of endometriosis.
  - Abrão MS, Gonçalves MO, Ajossa S, Melis GB, Guerriero S. The sonographic diagnosis of deep endometriosis. J Ultrasound Med. 2009 Mar;28(3):408-9; author reply 409-10. doi: 10.7863/jum.2009.28.3.408. PMID: 19244083.

# How Do we suspect endo in asymptomatic patients if it's not visible? I

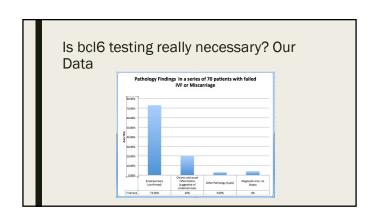
- Family history of endometriosis
  - Risk is 7 times greater in relatives of affected individuals
- Physiological
  - Poor egg quality
  - Low ovarian reserve relative to age
  - Reduced uterine/ovarian blood flow (increased resistance) observed by transvaginal sonography with Doppler flow studies

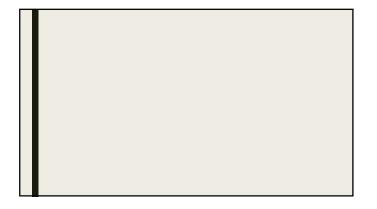
# How Do we suspect endo if it's not visible? 2

- Presence of certain autoimmune conditions
  - Hashimoto's thyroiditis
  - Antiphospholipid syndrome
- Endocrine
- Elevated FSH and low AMH
- Genetic
- Presence of HLA haplotypes associated with autoimmune disease
- Immunologica

# Non-Invasive Testing For Endometriosis: Receptiva

- aberrant BCL6 expression had a high sensitivity and specificity for the diagnosis of all stages of endometriosis, indicative of BCL6 as a biomarker for endometriosis. In support of this finding, another large cohort study showed a high positive predictive value of BCL6 expression for the diagnosis of endometriosis
- Bcl6 testing: PPV of the ReceptivaDxTM test of 82.3%
  - FERTILITY AND STERILITY Vol. 113, No. 4, Supplement, April 2020
- No evidence that medical or surgical treatment of Endometriosis reduces BCL6 expression.





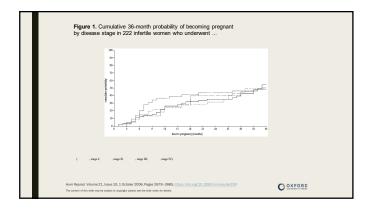
# HOW SHOULD WE TREAT ENDOMETRIOSIS IN THE CONTEXT OF FERTILITY /IVF?

# Natural conception: hormonal therapies are NOT effective for infertility associated with endometriosis

- Suppression of ovarian function (by means of hormonal contraceptives, progestagens, GnRH
  analogues or danazol) to improve fertility in minimal to mild endometriosis is not effective and
  should not be offered for this indication alone. The published evidence does not comment on
  more severe disease.
- This indicates that fertility-wise the time spent on medication is simply time lost for fertility, as no
  fertility rebound occurs upon stopping the medical treatments of endometriosis [
  - Hughes E, Brown J, Collins JJ, Farquhar C, Fedorkow DM, Vandekerckhove P. Ovulation suppression for endometriosis. Cochrane Database Syst Rev 2007:CD000155.

# Natural conception: Is surgery is effective for infertility associated with endometriosis.

- In women with minimal to mild endometriosis, the evidence, summarised in a Cochrane review, shows that operative laparoscopy is more effective than diagnostic laparoscopy in improving ongoing pregnancy rates
  - To day still only 2 randomized studies dating back more than 1 decade



# Should endometrioma surgery be performed prior to treatment with ART to improve reproductive outcomes?

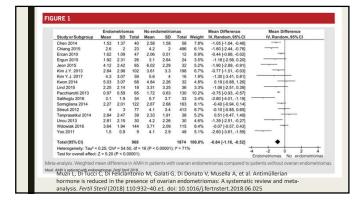
- rapid growth
- suspicious features noted on ultrasound,
- $\ensuremath{\blacksquare}$  painful symptoms that can be attributed to the mass,
- $\blacksquare \quad \text{Bilaterality of endometriomas} \quad$
- $\blacksquare$   $\;$  potential for rupture in pregnancy,
- inability to access follicles in normal ovarian tissue.
- Previous ovarian surgery

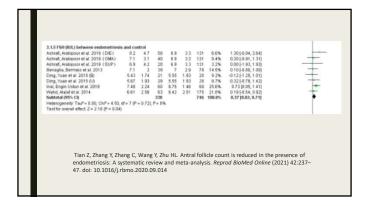
# Risks of conservative management in women with ovarian endometriomas undergoing IVF

- - prophylactic antibiotics may reduce this risk but cannot abolish it. Estimated risk corresponding to 1.9% (95% CI: 0.3–5.8%).
- higher risk of pregnancy complications:
  - Although the risk of infection after ART is probably low, when it does occur during pregnancy, the outcome may be poor with 25% pregnancies resulting in abortion, preterm delivery or infant death
- follicular fluid contamination with the endometrioma content.
  - 40% relative reduction in live birth rate due to a complication occurring in 6.1% of cases

# Observing the Endometrioma

- serum AMH and AFC were found to be reduced in patients with unoperated endometriomas compared to patients with other benign ovarian cysts without endometriosis  $\,$ 
  - Muzii L, Di Tucci C, Di Feliciantonio M, Galati G, Di Donato V, Musella A, et al. Antimüllerian hormone is reduced in the presence of ovarian endometriomas systematic review and meta-analysis. *Fertil Steril* (2018) 110:932–40.e1. doi: 10.1016/j.fertnstert.2018.06.025



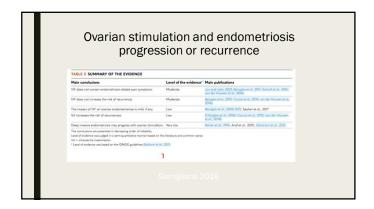


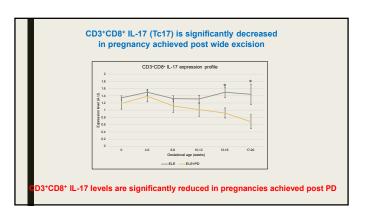
### Medical treatment before embryo transfer

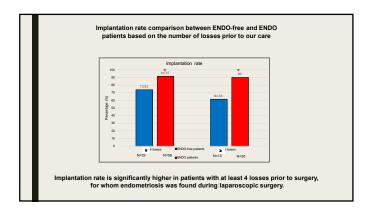
- Very limited evidence so far.
- Treatment groups were not randomly selected.
- 10 pts Lupron arm, 21 patients surgery arm, 54 controls
- These results yield a relative risk of achieving a live birth rate of 6.9 (95%CI = 2.5 to 18.9; i.e., 16 out of 31 in both treatment groups vs. 4 out of 54 in the no treatment (control group). An absolute benefit of 44.2% (95% CI 24.6 to 61.2) and a number need to treat of 3.
  - Likes CE, Cooper LJ, Efird J, Forstein DA, Miller PB, Savaris R, Lessey BA. Medical or surgical treatment before embryo transfer improves outcomes in women with abnormal endometrial BCL6 expression. J Assist Reprod Genet. 2019 Mar;36(3):483-490. doi: 10.1007/s10815-018-1388-x. Epub 2019 Jan 4. PMID: 30610661; PMCID: PMC6439015.

# IVF and progression of Endometriosis

- The available tends to support a possible detrimental effect of IVF on deep infiltrative
  - Vercellini P. Risks of conservative management in women with ovaria undergoing IVF. Hum Reprod Update. 2015 Jul-Aug;21(4):486-99. doi: 10.1093/humupd/dmv012. Epub 2015 Mar 6. PMID: 25750209.
- Available data tend to exclude a relevant effect of IVF on endometriosis recurrences in general and ovarian endometriomas in particular.
- in contrast to IVF, ovarian hyperstimulation and intrauterine insemination may actually increase the risk of endometrioma recurrence  $\,$ 
  - van der Houwen LE, Efficacy and safety of intrauterine insemination in patients with moderate-to-severe endometriosis. Reprod Biomed Online2014b;28:590-598.





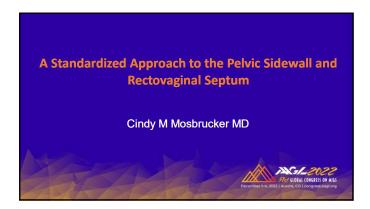


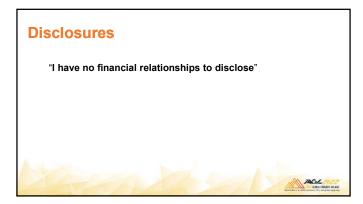


cknowledgments
co-authors full name, highest medical/academic degree and affiliation and/or professional title

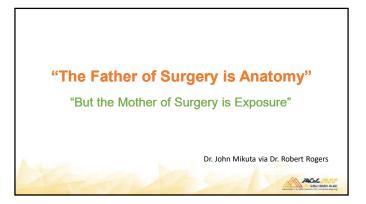
# Conclusion

- ■Endometriosis requires Personalized Care
- ■Commonsense management beyond the guidelines





# **Objectives** Understand the surgical anatomy of the pelvis including vessels, nerves, and avascular spaces Recognize variations in anatomy and be able to adjust accordingly Demonstrate safe dissection techniques to allow for complete resection of disease



"You cannot expect your surgical results to be any better than your skills of surgical dissection and tissue handling."

Dr. Robert Rogers

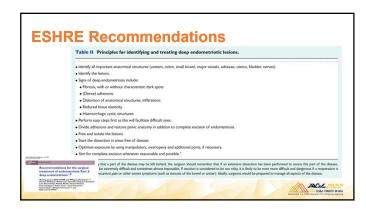
# **Practical Recommendations**

### Prior to surgery:

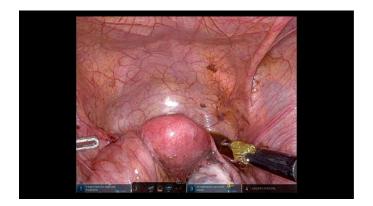
- "The Retroperitoneum is your Friend" Know your anatomy!
- Watch surgical videos including your own to refine your technique
- Find a Mentor
- Develop strong relationships with a general surgeon and urologist so they are true partners

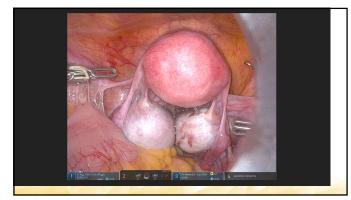
- Know what to expect via a thorough preop evaluation
   Follow a pattern with your dissections- have a process
   Know your limits no shame in photo documentation and referral

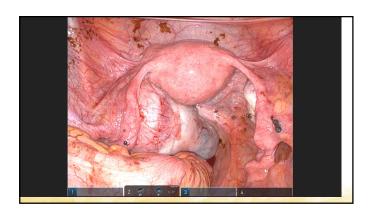


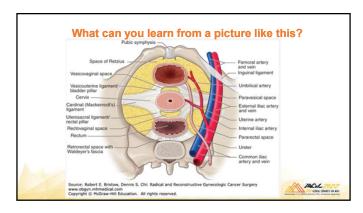


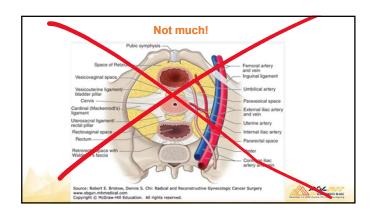


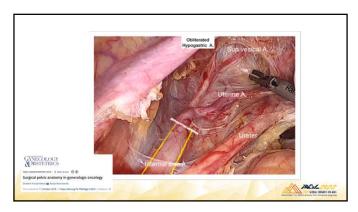


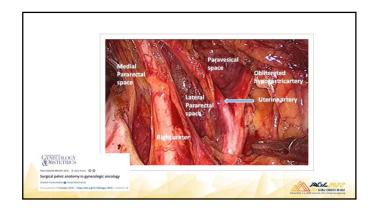


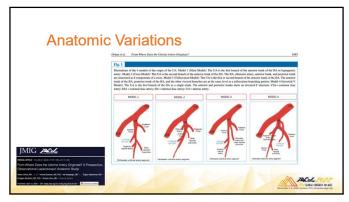


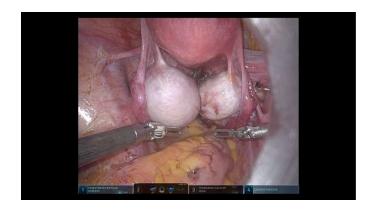


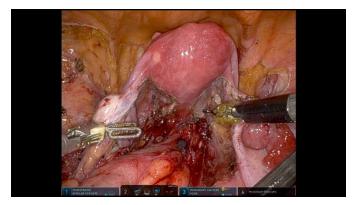


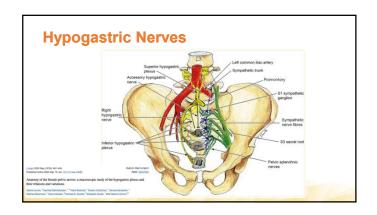


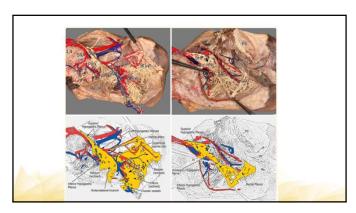


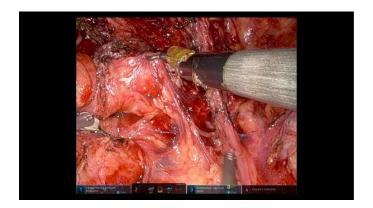








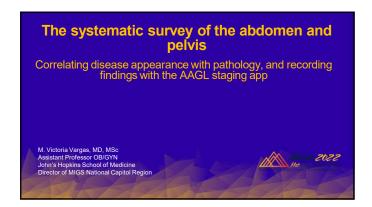




# References Keckstein et al. Recommendations for the Surgical Treatment of Endometriosis. Part 2: Deep Endometriosis. Human Reproduction Open, pp1-25, 2020 Orhan et al. From Where Does the Uterine Artery Originate? A Prospective Observational Laparoscopic Anatomic Study. JMIC. July 1, 2020;27(5):P1081-1086 Puntambekar, Manchanda. Surgical Pelvic Anatomy in Gynecologic Oncology. Int. J. Gynecol. Obstet. 2018; 143 (Suppl. 2): 86-92







### **Disclosures**

I have no financial relationships to disclose.



### **Objectives**

- Understand the rationale behind a thorough abdominal and pelvic survey
- Apply techniques to optimize the survey and identify subtle lesions
- •Utilize the AAGL Endometriosis to document stage



# **Purpose**

- $\bullet$  Systematic approach to disease identification, you know where to look
- Photo and video documentation
- Guides surgical approach



# The upper abdomen

### Diaphragm

- Diaphragm is the most common site of extra pelvic disease
- 12% of women with endometriosis
- 80% of lesions located on the right hemi diaphragm

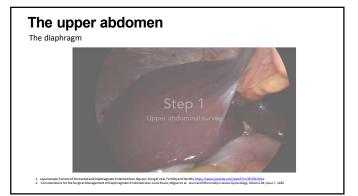
Extrapelvic Endometriosis: A Systematic Review. Andres, Marina P. et al. Journal of Minimally Invasive Gynecology, Volume 27, Issue 2, 373 - 38

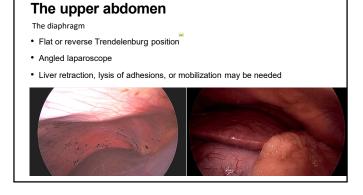


# **Abdominal exploration**

- Diaphragm (bilateral)
- Appendix, cecum and terminal ileum
- Abdominal wall (pelvic brim including sigmoid attachment and round ligament insertions, incisions)
- Sigmoid

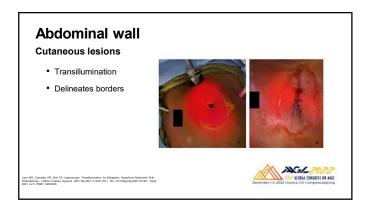


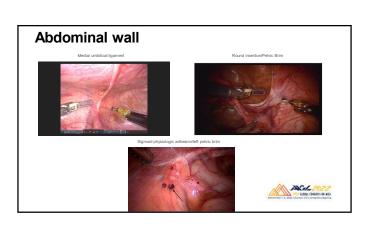




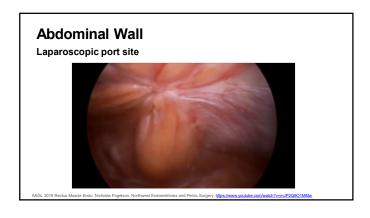
# Abdominal wall Primary lesions • 230 cases of primary parietal endometriosis • 133 (58%) groin • 82 (36%) umbilical • 12 (5%) abdominal wall • 2 (<1%) perineal

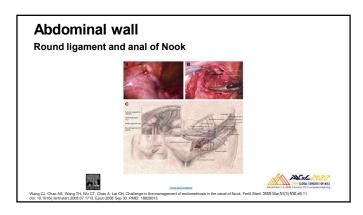


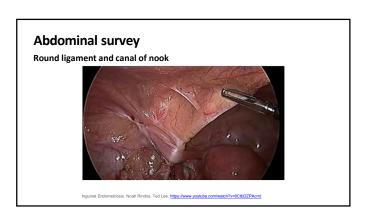


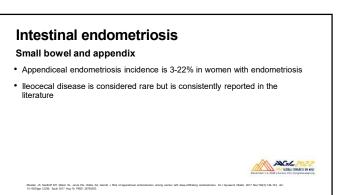


# VV1 Needs video or picture of liver in Tburg Victoria Vargas, 10/16/2022

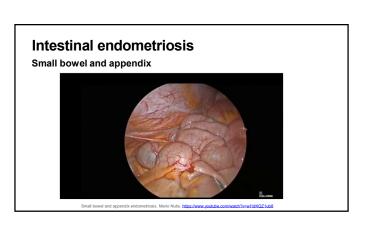












# **Pelvic survey**

- Bladder 21%
- · Ovarian fossa 32%
- Uterosacral ligaments 46%
- Rectovaginal septum 30%
- Ovaries 67%
- Uterus
- Fallopian tubes Adnexa most common site of adhesions

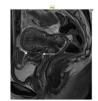
Audibert A, Pelousis S, Mergioda-Siarkou C, Revense K, Prapas N, Prapas V, Anstorric datribution of endorretitoria: A reappraisal based on series of 1101 patients. Eur J Chaint Gyrecof Reprod Biol. 2015 No;232:35-40. doi: 10.1016/j.jepgth.2016.00.001. Epub.2016.5ep.5. PMID: 30240947.



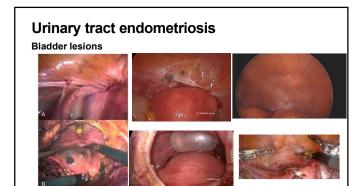
# **Urinary tract endometriosis**

### Bladder and ureters

- Incidence 0.3-12% of women with endometriosis
- 20-53% of women with deep endometriosis
- Bladder 85%
- Ureter 10%
- Kidney 4%
- Urethra 2%



Leonardi M, Espada M, Kho RM, Magrina JF, Millischer AE, Savelli L, Condous G. Endometriosis and the Urinary Tract: From Diagnosis to Surgical Treatment. Diagnostics (Basel). 2020 Sep 30;10(10):771. doi: 10.3390/diagnostics10100771. PMID: 33007875; PMCID: PMC7650710.



# Intestinal endometriosis

### Rectum and sigmoid colon

- Incidence is 3-37% in women with endometriosis
- Rectum and sigmoid are most commonly affected (70-93% of cases of IE)



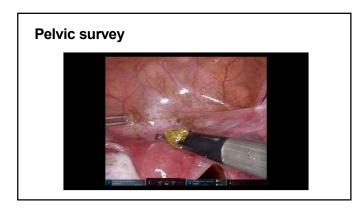
Rossini R, Lisii G, Pesci A, Ceccaroni M, Zamboni G, Gentile I, Rettore L, Ruffo G. Depth of Intestinal Wall Infiltration and Clinical Presentation of Deep Infiltrating Endome Evaluation of 553 Consecutive Cases. J Laparoendosc Adv Surg Tech A. 2018 Feb;28(2):152-156. doi: 10.1088/lap.2017.0440. Epub 2017 Oct 12. PMID: 29023195.

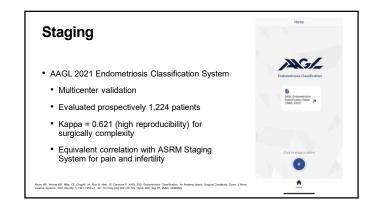
# Intestinal endometriosis Rectovaginal lesions Existin of Endometriosis. On Enarson. https://www.youtube.com/world/v=1/SayAyQis

# Intestinal endometriosis Rectal lesion

VV2 Most common sites of endometriosis of the bladder are the base and dome within the abdominal cavity

Victoria Vargas, 10/17/2022







# CULTURAL AND LINGUISTIC COMPETENCY & IMPLICIT BIAS

The California Medical Association (CMA) announced new standards for Cultural Linguistic Competency and Implicit Bias in CME. The goal of the standards is to support the role of accredited CME in advancing diversity, health equity, and inclusion in healthcare. These standards are relevant to ACCME-accredited, CMA-accredited, and jointly accredited providers located in California. <u>AAGL is ACCME-accredited and headquartered in California</u>.

CMA developed the standards in response to California legislation (<u>Business and Professions (B&P) Code Section 2190.1</u>), which directs CMA to draft a set of standards for the inclusion of cultural and linguistic competency (CLC) and implicit bias (IB) in accredited CME.

The standards are intended to support CME providers in meeting the expectations of the legislation. CME provider organizations physically located in California and accredited by CMA CME or ACCME, as well as jointly accredited providers whose target audience includes physicians, are expected to meet these expectations beginning January 1, 2022. AAGL has been proactively adopting processes that meet and often exceed the required expectations of the legislation.

CMA CME offers a variety of resources and tools to help providers meet the standards and successfully incorporate CLC & IB into their CME activities, including FAQ, definitions, a planning worksheet, and best practices. These resources are available on the <u>CLC and IB standards page</u> on the CMA website.

### **Important Definitions:**

**Cultural and Linguistic Competency (CLC)** – The ability and readiness of health care providers and organizations to humbly and respectfully demonstrate, effectively communicate, and tailor delivery of care to patients with diverse values, beliefs, identities and behaviors, in order to meet social, cultural and linguistic needs as they relate to patient health.

**Implicit Bias (IB)** – The attitudes, stereotypes and feelings, either positive or negative, that affect our understanding, actions and decisions without conscious knowledge or control. Implicit bias is a universal phenomenon. When negative, implicit bias often contributes to unequal treatment and disparities in diagnosis, treatment decisions, levels of care and health care outcomes of people based on race, ethnicity, gender identity, sexual orientation, age, disability and other characteristics.

**Diversity** – Having many different forms, types or ideas; showing variety. Demographic diversity can mean a group composed of people of different genders, races/ethnicities, cultures, religions, physical abilities, sexual orientations or preferences, ages, etc.

# Direct links to AB1195 (CLC), AB241 (IB), and the B&P Code 2190.1:

Bill Text – AB-1195 Continuing education: cultural and linguistic competency.

Bill Text – AB-241 Implicit bias: continuing education: requirements.

Business and Professions (B&P) Code Section 2190.1

## **CLC & IB Online Resources:**

Diversity-Wheel-as-used-at-Johns-Hopkins-University-12.png (850×839) (researchgate.net)

Cultural Competence In Health and Human Services | NPIN (cdc.gov)

Cultural Competency – The Office of Minority Health (hhs.gov)

Implicit Bias, Microaggressions, and Stereotypes Resources | NEA

Unconscious Bias Resources | diversity.ucsf.edu

Act, Communicating, Implicit Bias (racialequitytools.org)

https://kirwaninstitute.osu.edu/implicit-bias-training

https://www.uptodate.com/contents/racial-and-ethnic-disparities-in-obstetric-and-gynecologic-care-and-role-of-implicitbiases

https://www.contemporaryobgyn.net/view/overcoming-racism-and-unconscious-bias-in-ob-gyn

https://pubmed.ncbi.nlm.nih.gov/34016820/