5/st GLOBAL CONGRESS ON MIGS

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

SYLLABUS

ONC-606: Oncology Controversies for the Practicing Gynecologist

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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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Advisory Board: Merck

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ONC-606: Oncology Controversies for the Practicing Gynecologist

Co-Chairs: Dario R. Roque, MD, Fernando Heredia, MD

Faculty: Emma L. Barber, MD, MS, Gulden Menderes, MD, Edward J. Tanner, MD, MBA

Course Description

This course will provide an overview of three oncology related topics that would be of interest to any practicing gynecologic surgeon. First, we will present evidence-based guidelines for the work-up and management of the pelvic mass. This will include a review of imaging modalities and features that could help differentiate benign vs. malignant lesions, as well as a discussion of surgical approach (i.e., MIS vs laparotomy) and extent of surgery in special cases (i.e., cystectomy vs. oophorectomy in borderline tumors). The second topic will focus on the impact of uterine manipulators on oncological outcomes in endometrial cancer surgery. This topic will be presented in a debate format. The debaters will review the current literature and make an argument for and against the use of uterine manipulators in patients undergoing MIS for endometrial cancer. The last topic will also be presented in a debate format and will address the role of MIS in interval debulking surgery for ovarian cancer. The presenters will review the current literature, provide videos demonstrating the feasibility of the minimally invasive technique and make an argument for and against this surgical approach in the management of patients with ovarian cancer.

Learning Objectives

At the conclusion of this course, the participants will be able to: 1) Choose the appropriate workup and surgical approach for patients with a pelvic mass; 2) Describe the benefits and potential risks of uterine manipulator use in patients undergoing MIS for endometrial cancer; and 3) State the significance and limitations of MIS in the management of ovarian cancer.

Course Outline

7:00 am Welcome, Introduction and Course Overview R. Roque/F. Heredia

DEBATE #1: Uterine Manipulator Use in Endometrial Cancer Surgery

7:50 am Pro E.L. Barber

8:05 am Con F. Heredia

8:20 am Questions and Answers - Discussion

DEBATE #2: Minimally Invasive Surgery for Ovarian Cancer Interval

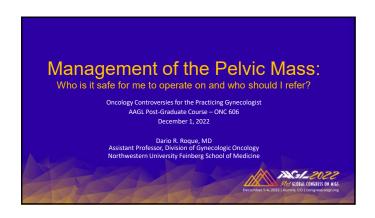
Debulking

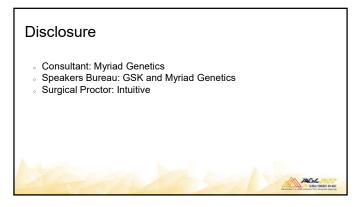
8:30 am Pro G. Menderes

8:45 am Con E.J. Tanner

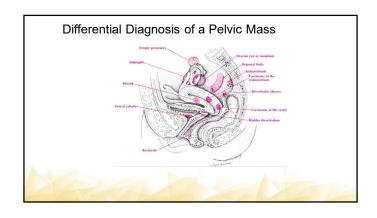
9:00 am Questions & Answers - Discussion

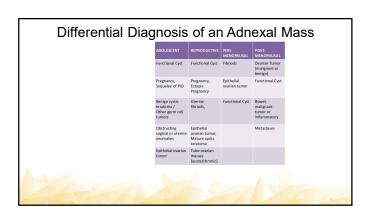
9:30 am Adjourn

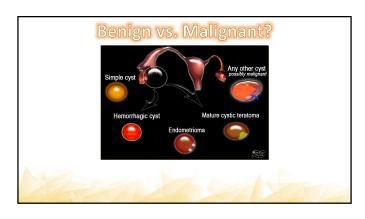


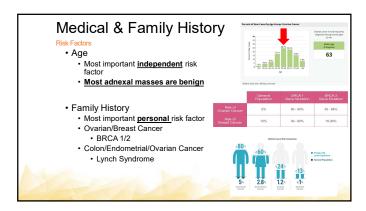


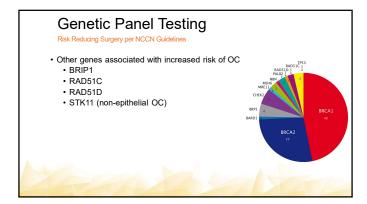
Objectives By the end of the presentation, participants will be able to: 1. Outline the clinical approach and evaluation of the patient with a pelvic mass 2. Distinguish the imaging characteristics of benign versus malignant lesions 3. Discuss the rationale for choosing surgery over observation in patients with an adnexal mass 4. Review criteria for referral to a gynecologic oncologist

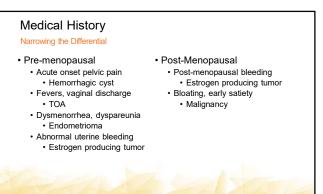


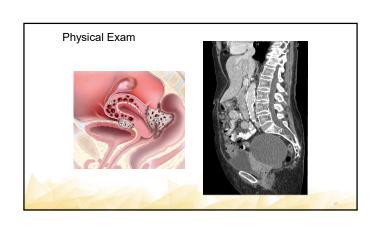


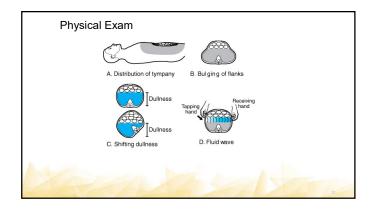


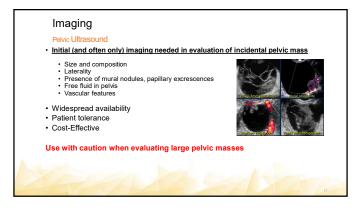






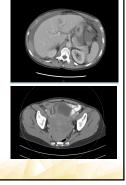


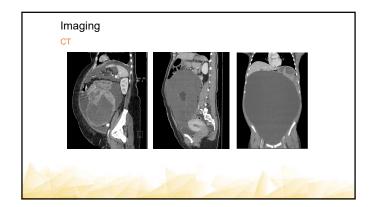




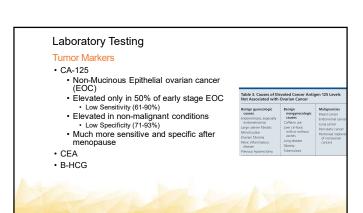
Imaging

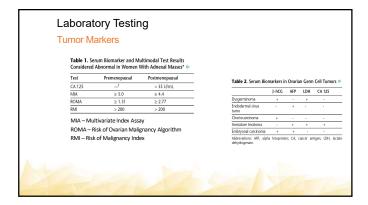
- · Very limited use in characterization/evaluation of pelvic masses
- Best used in assessing for metastatic disease
 - Ascites
 - · Omental/Peritoneal Nodularity
 - · Retroperitoneal Adenopathy
 - Ureteral Obstruction



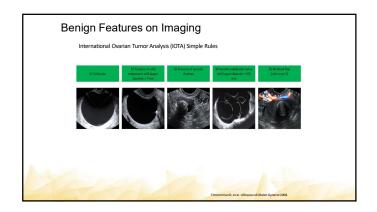


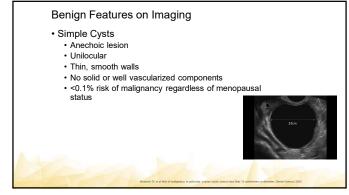
Imaging May be better at classifying benign vs. malignant · Lower detection rate Helpful at differentiating origin Fallopian Tube Pedunculated Fibroid Diverticular Abscess

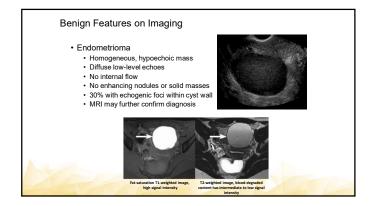


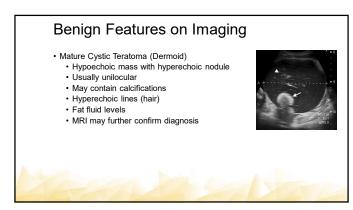


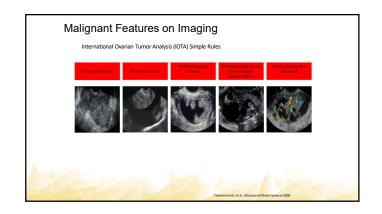


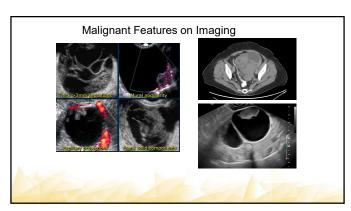


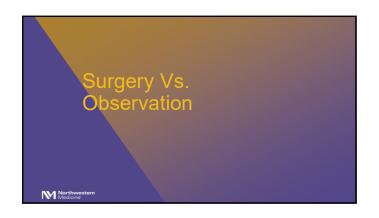






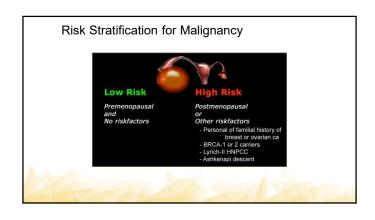


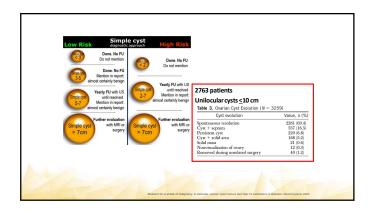


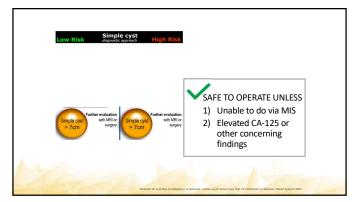


Surgery vs. Observation Lesion morphology Risk stratification for malignancy by age, medical and family history Risk stratification for peri-operative risks by comorbidities Symptomatic vs. Incidental Finding Additional Findings Ascites, Adenopathy, Peritoneal Implants

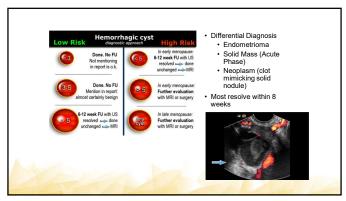
Observation How Frequent and for how long? • No clear guidelines for interval or duration • Suh-Burgmann et al. (2014) • 1363 adnexal masses in women over 50 • 994 women had at least 1 follow up US • 12 cancer/borderline cases; 10 Stage I • All malignancies demonstrated growth with 7 months

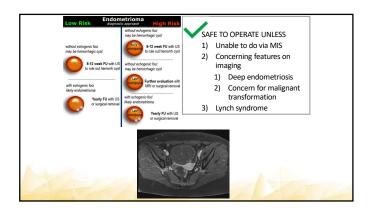


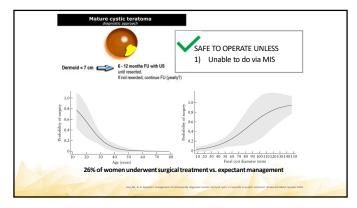


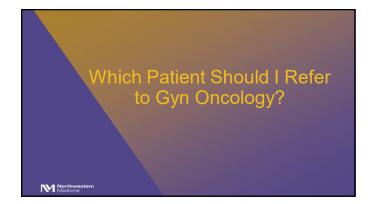


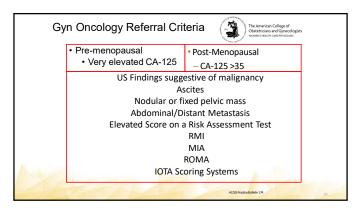


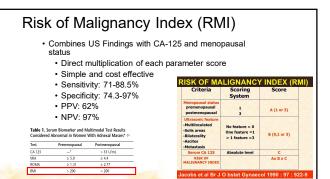




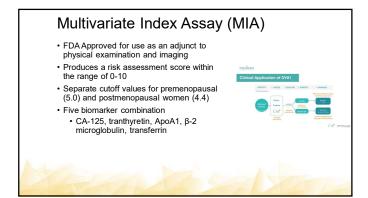


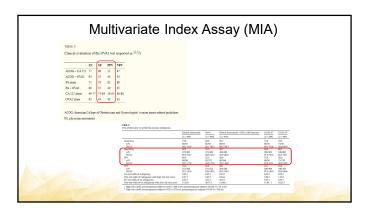


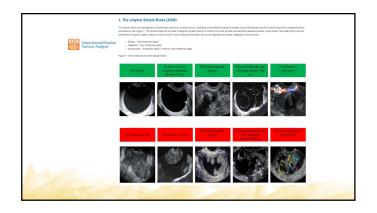


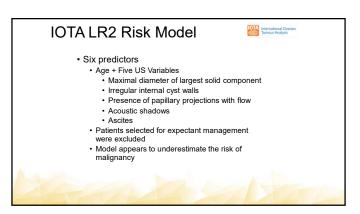


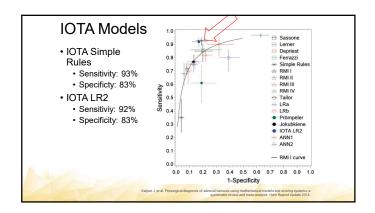
Risk of Ovarian Malignancy Algorithm (ROMA) Incorporates measurements of tumor derived CA-125 and HE4 with menopausal status FDA Approved for determining risk of ovarian cancer in women with a pelvic mass Conflicting evidence comparing ROMA vs. RMI Conflicting evidence comparing HE4/CA-125 or ROMA over CA-125 alone OR over HE4 alone Conflicting evidence in effectiveness in pre- vs post-menopausal women

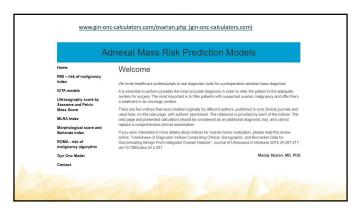


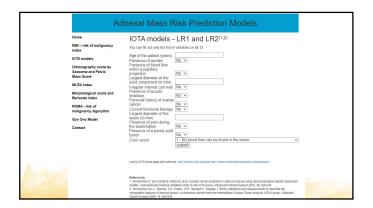


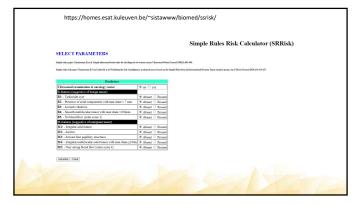












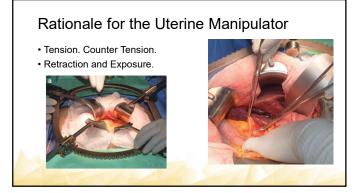






Objectives Describe the benefits and potential risks of uterine manipulator use in patients undergoing MIS for endometrial cancer





Uterine Manipulator Use is Prevalent • A cross-sectional survey was conducted to the Society of Gynecologic

- A cross-sectional survey was conducted to the Society of Gynecologic Oncology.
- 220 U.S. gynecologic oncologists practicing minimally invasive hysterectomy for endometrial cancer.
- 90.1% used a uterine manipulator during endometrial cancer surgery.
- In France, 165 gynecologic oncologists were surveyed.
- Routine use of uterine manipulator was 42.7%.

MIS including TLH is Safe

- - 2616 women with stage I to IIA EMC
 Technique for LAVH, TLH or robotics not specified
 - No difference in detection of advanced disease
 - Improved short term postoperative outcomes
 - · No difference in DFS or OS
- LACE trial
 - 760 women with stage I EMC
 - · McCartney Tube
 - No difference in recurrence (7.9% TAH) and (8.1% TLH)

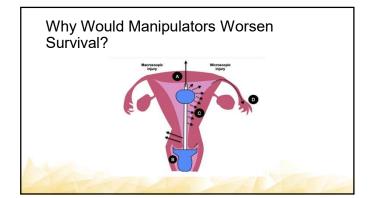


LACC Trial: Were Manipulators to Blame?

Minimally Invasive versus Abdominal Radical Hysterectomy for Cervical Cancer

- Recurrence-free survival at 5 years was 80% in the no intra-uterine manipulator group and 94% in the intra-uterine manipulator group.
- · Adjusted analysis, use of an intra-uterine manipulator was not associated with worse recurrence-free survival (HR 0.4, 95% CI 0.2 to

Nica A, Kim SR, Gien LT, et al Survival after minimally invasive surgery in early cervical cancer: is the intra-uterine manipulator to blame? International Journal of Gynecologic Cancer 2020;**30**:1864-1870.



Is Hysteroscopy Unsafe?

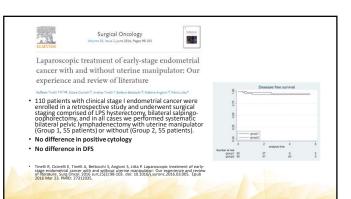
- All the same principles apply as a uterine manipulator.
- Results: A total of 1731 women from 15 centers were included: 1044 Results: A total of 1/31 women from 15 centers were included: 1044 in the hysteroscopy group and 687 in the Pipelle sampling group. 225 patients relapsed during the 10 year follow-up period: 139 (13.3%) in the hysteroscopy group and 86 (12.4%) in the Pipelle sampling group. There is no evidence of an association between the use of hysteroscopy as a diagnostic method and relapse rate (HR 1.24, 95% CI 0.92 to 1.66; p=0.16), lower disease-free survival (HR 1.23, 95% CI 0.92 to 1.66; p=0.15), or overall survival (HR 0.95, 95% CI 0.70 to 1.29;
- Hysteroscopy is widely accepted as a diagnostic technique for endometrial cancer with no evidence of inferior outcomes.

Retrospective Studies



Does the use of a uterine manipulator in robotic surgery for early-stage endometrial cancer affect oncological outco

- Eighty six robotic surgeries and sixty seven open surgeries were performed for early-stage endometrial cancer.
- Recurrence 5.8% MIS and 9.0% Open
- Conclusions: The use of a uterine manipulator during robotic surgery for early-stage endometrial cancer did not influence recurrence or survival.
- Ito H, Moritake T, Isaka K. Does the use of a uterine manipulator in robotic surgery for early-stage endometrial cancer affect oncological outco J Med Robot. 2022 Jul 20:e2443. doi: 10.1002/rcs.2443. Epub ahead of print. PMID: 35856237.



Surgeons Corner

Does the Type of Surgical Approach and the Use of Uterine
Manipulators Influence the Disease-Free Survival and Recurrence
Rates in Early-Stage Endometrial Cancer?

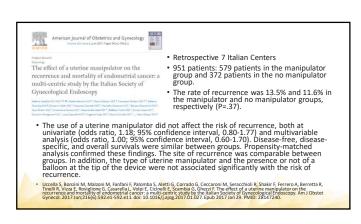
Josefa Marco Sammaria, MD, Leek Annois López Fernindez, MD, José Sinchez Pays, MD, Orac Four Piñero Sinchez, MD,
Maris José Binnois Sinchez, MD, Maris Auroción Oujado Carota, MD, Maris Anyano Candele Hodge, MD and Jann Carlos

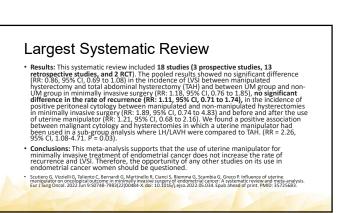
Martinez-Exciva, MD

• 147 patients with Clinical endometrial cancer (laparoscopic surgery
group, 77 women; laparotomy group, 70 women).

• No significant difference in the cumulative recurrence rates (7.4% and
13.1%, P = 0.091) and overall survival (97.1% and 95.1%, P = 0.592)
was detected between both groups of stage I endometrial cancer.

• The use of uterine manipulators did not have increased recurrence
rate in patients treated with laparoscopic approach.







Randomized Controlled Trials

A Multicentric Randomized Trial to Evaluate the ROle of Uterine MANipulator on Laparroscopic/ Robotic HYsterectomy for the Treatment of Early-Stage Endometrial Cancer: The ROMANHY Trial



- Multicenter randomized trial, enrolled patients were randomly allocated in two groups according to the no use (arm A) or the use (arm B) of the uterine manipulator.
- Inclusion criteria were G1-G2 early-stage endometrial cancer at preoperative evaluation
- 154 patients (76 in arm A and 78 in arm B)
- No differences were detected in terms of overall survival and disease-free survival (p=0.996 and p=0.480, respectively). Similarly, no differences were recorded in the number of recurrences, 6 (7.9%) in arm A and 4 (5.2%) in arm B (p=0.486).
- $\dot{}$. The use of the uterine manipulator had no impact on DFS both at univariable and multivariable analyses.

Gueli Alletti S, Perrone E, Fedele C, Clandi S, Pasciuto T, Chiantera V, Uccella S, Ercoli A, Vizzielli G, Fagotti A, Gallotta V, Cosentino F, Costantini B, Restaino S, Monteressi G, Rossit A, Turco LC, Capozzi VA, Fanfani I, Scambia G. A Mullicentric Randomized Trial to Evaluate the ROle of Uterine MANipulation on Japanese Confederal Management (Paragement Confederation Confed

Effects of uterine manipulation on surgical outcomes in laparoscopic management of endometrial cancer: a prospective randomized clinical trial

- 110 patients with clinical stage I endometrial cancer were randomly assigned for laparoscopic staging surgery with (group A, 55) or without (group B, 55) the use of a uterine manipulator (RUMI), between June 2009 and June 2011.
- Group A had a similar incidence of lymphovascular space invasion compared with group B (12.7% vs 9.1%, respectively; P = 0.76).
- During the median follow-up of 19 months, 6 patients had tumor recurrence without significant difference between the groups.

Lee M, Kim YT, Kim SW, Kim S, Kim JH, Nam EJ. Effects of uterine manipulation on surgical outcomes in laparoscopic management of endometrial cancer: a prospective randomized clinical trial. Int J Gynecol Cancer: 2013 Feb;23(2):372-9. doi: 10.1097/IGC.0b013e3182788485. PMID: 23266650.

Conclusions

- · Data on benefits of uterine manipulator are lacking
- >90% of practicing SGO members responding to a survey use a uterine manipulator for endometrial cancer
- Preponderance of available data (including 2 prospective RCTs) suggests uterine manipulator is safe in endometrial cancer surgery



References

- Quintana-Bertó R, Padilla-Iserte P, Gil-Moreno A, Oliver-Pèrez R, Coronado PI, Martín-Salamanca MB, Pantoja-Garrido M, Lor Rioss F, Díaz-Feijoo B, Rodríguez-Hernández IR, Marcos-Sammartin J, Muruzábal IC, Caltada A, Domingo S. Oncological safety Cancer. 2022. Jul 26:igg-2022-03386. doi: 10.1136/igg-2022-003386. Epub ahead of print. PMID: 35892425.
- Nica A, Kim SR, Gien LT, et al. Survival after minimally invasive surgery in early cervical cancer: is the intra-uterine Gymecologic Cancer 2020;30:1864-1870.
- Camille Sallee, Aymeline Lacorne, France Despoux, Lobras Oddamer, Cyrille Huchon, Martim Koskas, Jean-Marc Classe, Frédéric Guyon, François Emilia Raimond, Tristan Gasilhier, Use of uterine manipulator in endometrial cancer. A French survey from Francognin group, European Journal of S Volume 48, Issue 6, 2027, Pages 1956-3199, SSO 1967-879, Issued Sacretin Services 2022 for 2027. Ido Laskov. The impact of Intra-Herine Manipulators on Outcome and Recurrence Patterns of Endometrial Cancer Patients Undergoing Minimally Interprisologing 1927-2027/s. a. 24, 2980-2027.
- Chang EJ, Jooya ND, Ciesielski KM, Shahzad MM, Roman LD, Matsuo K. Intraoperative tumor splll during minimally invasive hysterectomy for endometrial coexperience and practice. Eur J Obstet Gynecol Reprod Biol. 2021 Dec;267-256-261. doi: 10.1016/j.ejogrb.2021.11.020. Epub 2021 Nov 16. PMID: 34837855

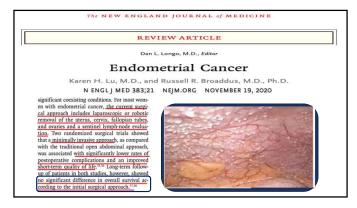


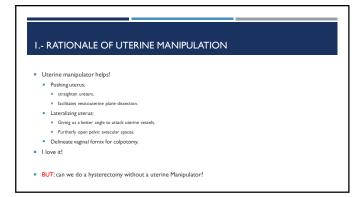


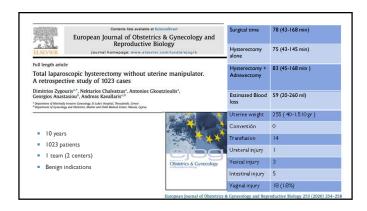


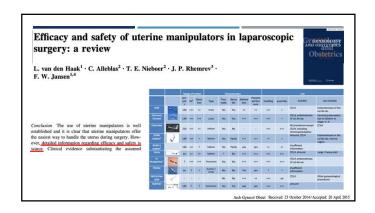


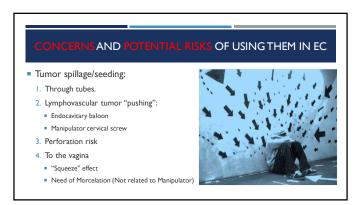


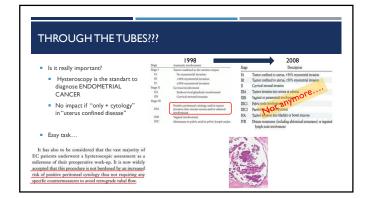


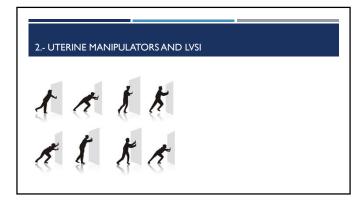


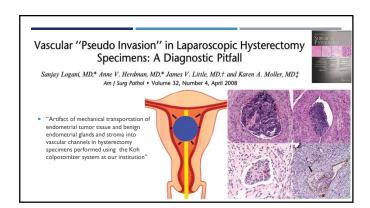


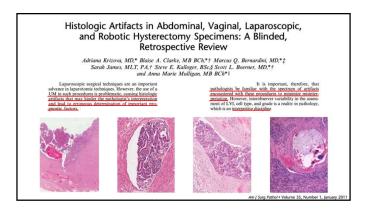












ESMO-ESGO-ESTRO Consensus Conference on Endometrial Cancer

Diagnosis, Treatment and Follow-up

Nicoletta Colombo.* Carien Creutzberg.† Frederic Amant.‡ Tjalling Bosse.§ Antonio González-Martin.|| Jonathan Ledermann.§ Christian Martih.# Remi Nout.** Denis Querlet.†† Mansoor Raza Mirza.‡ Cristiana Sessa.§3 and the ESMO-ESGO-ESTRO Endometrial Consensus Conference Working Gro

- LVSI positive status was introduced in the ESGO guidelines as a recomendation for Lymphadenectomy, even in the abscense of other well known risk factors.
- It also "upgraded" patients with low risk tumors to intermediate-high risk
- If not correctly diagnosed it could prompt adjuvant treatment for patinets with no "real indication"...



CYNECOLOGICAL CANCER

International Journal of Gynecological Cancer • Volume 26, Number 1, January 2016

Intrauterine Manipulator Use During Minimally Invasive Hysterectomy and Risk of Lymphovascular Space Invasion in Endometrial Cancer

Hiroko Machida, MD, *† Marianne S. Hom, MD, * Crystal L. Adams, MD, * Sarah E. Eckhardt, MD, *
Jocelyn Garcia-Sayre, MD, * Mikio Mikami, MD, PhD, † and Koji Matsuo, MD, PhD *‡

- Retrospective case-control study (419/194 patients) + systematic review (1371/1246 patients).
- Stages I-IV between 2008 2015
- Compared TAH/BSO v/s TLH/BSO with UM (Why not TLH/BSO with and without UM????)

"IUM use during TLH for Endometrial Cancer is not associated with increased frequency of LVSI"

Insufficient evidence evaluating LVSI either caused by IUM insertion or originally present in the endometrium...this makes results difficult to interpret for proper anaysis.....concerns regarding the potential increased risk of disease spread with UM use remain unsettled.

UTERINE MANIPULATORS AND LVSI (ONLY PROSPECTIVE)



A Multicentric Randomized Trial to Evaluate the ROle of Uterine MANipulator on Laparoscopic/Robotic HYsterectomy for the Treatment of Early-Stage Endometrial Cancer: The ROMANHY Trial

Salvatore Guell Allesti ^{1,2}, Emanuele Perrono¹, Camilla Fedele², Stefano Clanci ², Tina Pasciulo², Vifo Chiantera², Stefano Uccella², Alfredo Ercoli², Giuseppe Vizzieli Anna Fagosti ², Valerio Gallotta ^{2,2}, Francesco Cosentino⁴, Barbara Costantini ^{2,2}, Stefano Restatino², Giorgia Mooterosai ², Andrea Rosai ², Luigi Cado Turco²,



- Italian Multicentric Prospective Randomized Trial.
- 154 patients, early stage, G1-G2 at preop evaluation.
- Only Clermont-Ferrand Uterine Manipulator.
- Designed to asses the impact of UM in LVSI presence in early stage Endometrial Cancer...
- Conclusion: it does not affect LVSI status.
- Suggests same Oncological outcomes...not designed for that ...

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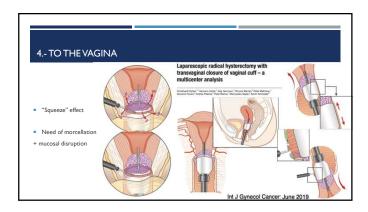
3.- PERFORATION RISK

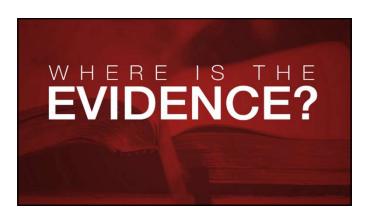
Intrauterine Manipulator Use During Minimally Invasive
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in Endometrial Cancer

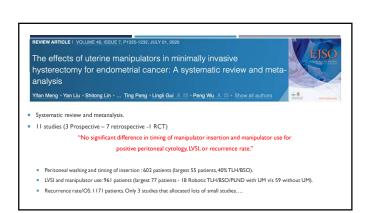


Hiroko Machida, MD,*† Marianne S. Hom, MD,* Crystal L. Adams, MD,* Sarah E. Eckhardt, MD,* Jocelyn Garcia-Sayre, MD,* Mikio Mikami, MD, PhD,† and Koji Matsuo, MD, PhD*‡

- Rarely reported...
- 0,4 1% cases in this review article...
- More in atrophic uterus, small cervix, prior c-sections/isthmoceles, etc







The Effect of a Uterine Manipulator on the Recurrence and Mortality of Endometrial Cancer: A Multi-Centric Study by the Italian Society of Gynecological Endoscopy

Stefano Uccella, MD, PhD, Mattee Bonzini, MD, Mario Malzoni, MD, Francesco Fanfani, MD, Stefano Polomba, MD, Giovanni Aletti, MD, Giocomo Corrado, MD, Marcello Geocaroni, MD, Renato Seracchioli, MD, France Shakir, MD, Annamaria Ferraco, Mosperio, Berratia MD, Raffoel Fineli, MD, Enford Vizza, MD, Giovanni Giovanni Roviglione, MD, Lucia Casarella, MD, Eugenio Volpi, MD, Etiore Cicinelii, MD, Mortania, MD, Fabio Ghezzi, MD

Am J Obstet Gynecol. 2017 Jun;216(6):592.e1-592.e11.

Objective : Study risk and site of recurrence, OS, DFS after TLH with and without UM. (No robot here...)

Retrospective, non-randomized, Cohort (2000-2013) multicentric (7 Italian centers)
951 patients (579 with UM / 372 without) – Also analyze type of manipulator.

Excluded > preop Stage I and follow up < 12 months.

Median follow up 46 months – Recurrence I 3,5% with UM / 11,6% without UM.

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**Weldian Follow up 46 months – Recurrence I 3,5% with UM / 11,6% without UM.

**Similar DFS, Diesses specific survival, and OS.

Review Article on Endometrial Cancer

Role of uterine manipulator during laparoscopic endometrial cancer treatment

Vito Andrea Capozzi¹, Andrea Rosati¹, Stefano Uccella¹, Caetano Riemma¹, Mattia Tarascio¹, Marco Torella¹, Pasquale De Franciscis¹, Nicola Colacurci¹, Stefano Cianci¹

The most recent studies have highlighted the safety of the uterine manipulator in the entry-tage EC laparoscopic treatment.

Well, thats reassuring.

To date, all types of manipulators are considered to be fairly steff or supplications should be tuitored according to the entry tage of the supplication should be tuitored according to the entry tage of the supplication should be tuitored according to the entry tage of the supplication should be tuitored according to the entry tage of the supplication should be tuitored according to the entry tage of the supplication should be tuitored according to the entry tage of the supplication should be tuitored according to the entry tage of the supplication should be tuitored according to the entry tage of the supplication should be tuitored according to the entry tage of the supplication should be tuitored according to the entry tage of the supplication should be tuitored according to the entry tage of the supplication should be tuitored according to the entry tage of the supplication should be tuitored according to the entry tage of the supplication should be tuitored according to the entry tage of the supplication should be tuitored according to the entry tage of the supplication of the supplication should be tuitored according to the entry tage of the supplication of the supplication of the supplication of the supplication should be tuitored according to the supplication of th

Impact of uterine manipulator on oncological outcome in endometrial cancer surgery

Pable PADILLA SERRIE - Pro Mr. Visior LAGO, Mr. Ms. Germen TVLSTE,
PRO Mr. Brand LAGE ELLO, Pro Mr. Ascensor GM. MAGRIS PRO M. Mr.
Reyes QLVER, PRO, Mr. Pinva CORONADO, Pro D. Ms. Maris Belen MARCOSSANAMATIN, Mo, Mr. Javan GLABERT-ESTELLES, Pro, Mr. Cristina LORENZO,
MN. Mr. Escando LOZEICR, Pro Mr. Premarch ROLD-MAYON, M. Mr. José

Results:

Results:

Results:

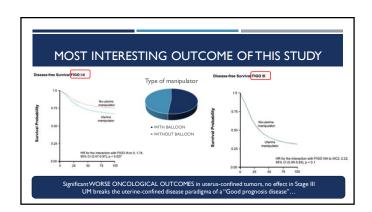
Higher recurrence risk HR 2.31;95%CI, 1,27-4,20 (p=0.006)

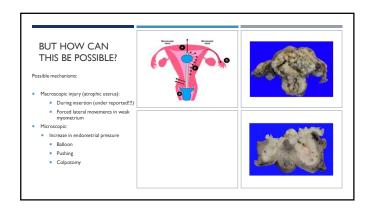
Lower DFS for uterus confined tumors (Stage I-II) HR 1,74;95%CI, 0,57-0,97 (p=0.027)

Higher risk of Death from Disease (Stage I-II) HR 1,74;95%CI, 0,57-0,97 (p=0.027)

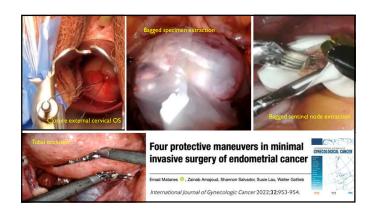
No difference in pattern of recurrence between both groups.

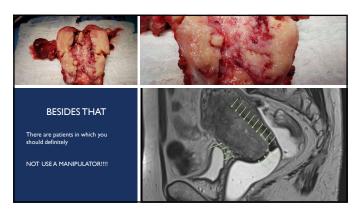
Am J Obstet Gynecol. 2021 Jan;224(1):65:e1-65.e11





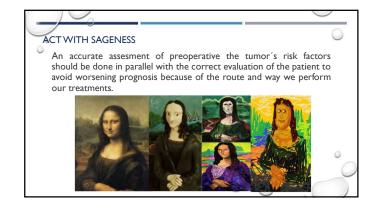


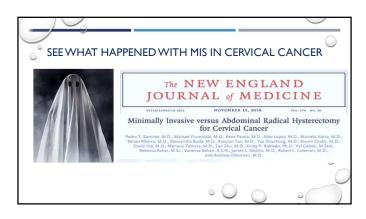


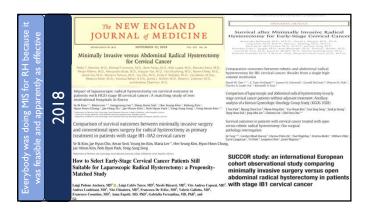


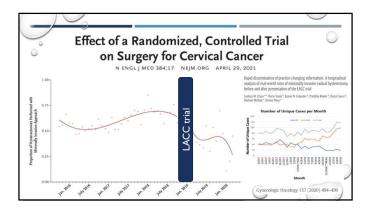


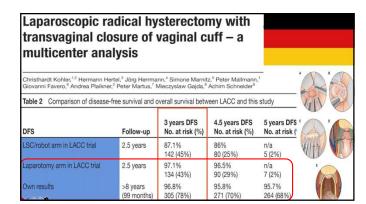


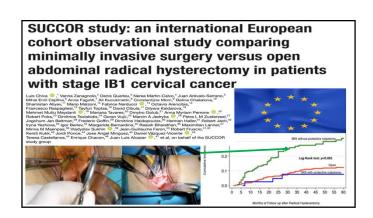




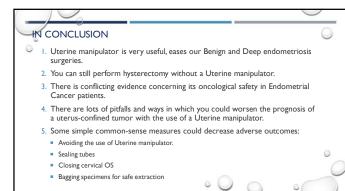


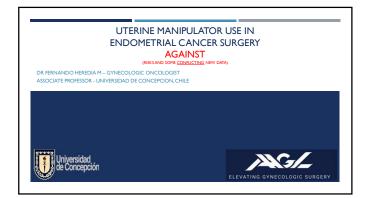


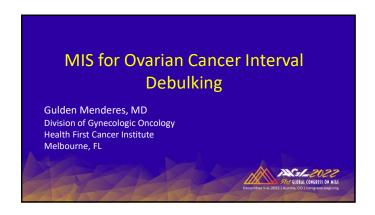










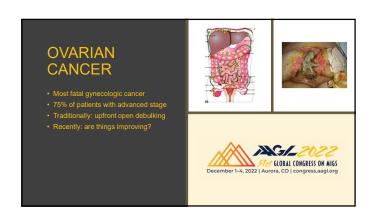


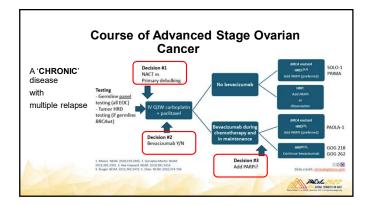
Disclosure "I have no financial relationships to disclose"

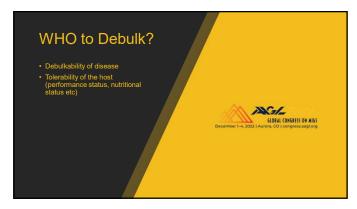
Objectives

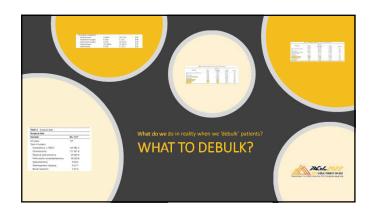
- Review current literature
- Understand the significance and limitations of MIS in the management of ovarian cancer
- Provide videos demonstrating the feasibility of the minimally invasive technique
- Make an argument FOR this surgical approach in the management of patients with ovarian cancer



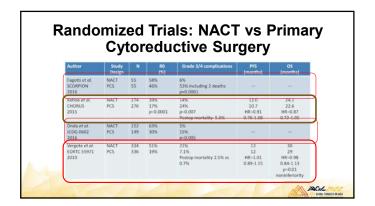


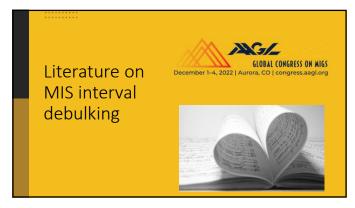


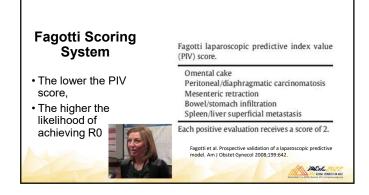




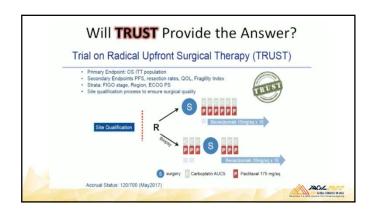


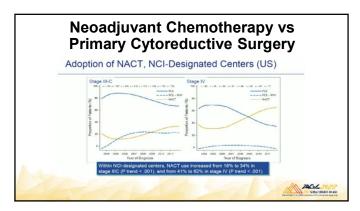










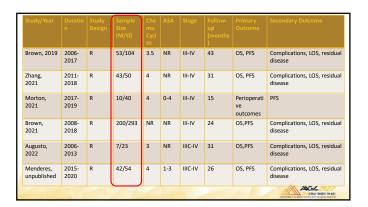


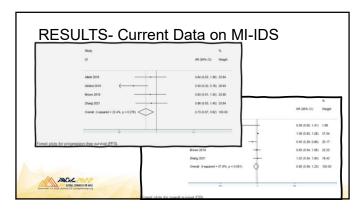
HOW to Debulk? 'In the time of molecular genetic progress of early cancer diagnosis and treatment, open surgery in oncology will soon be a surgical approach of the past.' Professor Liselotte Mettler Kiel, Germany

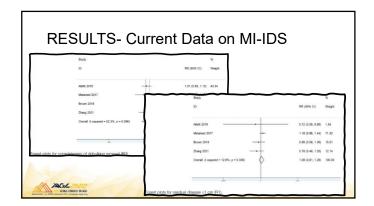
How would MIS benefit patients over open debulking? Less blood loss Less infection Decreased length of stay Easier recovery What's new?

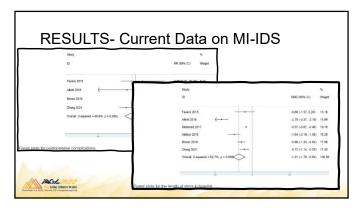


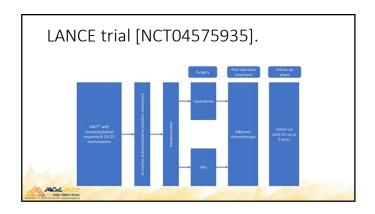
	Duration			Chemo Cycles					
Favero, 2015	2011-2014	R	10/11	6	NR	IIIC- IVA	20	OS	Complications, LOS
Aletti, 2016	2010-2014	R	30/65	6	1-2	III- IV	28	PFS	Complications, LOS, residual disease
Melamed, 2017	2010-2012	R	450/2621	NR	NR	III- IV	32	os	LOS, residual disease
Ackroyd, 2018	2011-2016	R	29/0	3.9	NR	III- IV	34	OS, PFS	LOS, residual disease
Fagotti, 2019	2016-2019	R	127	4	1-3	IIIC- IV	37	OS, PFS	Complications, LOS, residual disease, TTC
Abitbol, 2019	2008-2014	R	57/34	NR	1-3	III- IV	37	OS, PFS	LOS













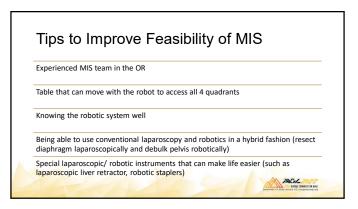


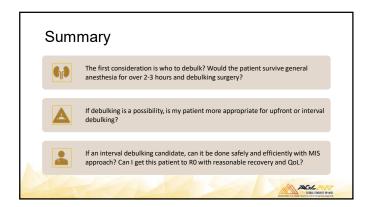




















Disclosure Consultant: Johnson & Johnson Speakers Bureau: Eisai, AstraZeneca, Merck

Objectives

- Review the rationale for cytoreductive surgery for ovarian cancer
- Explore implications of inadequate cytoreductive outcomes with minimally invasive approach
- Consider criteria for future consideration of minimally invasive cytoreductive surgery



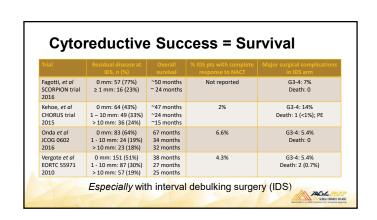
Advanced Ovarian Cancer Outcomes: what do we control?

- 1. Cytoreductive outcome
- 2. Appropriate systemic therapy
- 3. Minimize complications impacting #1 and #2

Not in our control: Tumor biology



Cytoreductive Success = Survival • Largest diameter residual disease is most important modifiable predictor of survival in patients undergoing cytoreductive surgery **Description** **Morths from Entry Info Study** **Hoskins et al, AIOG, 1994**



Cytoreductive Success = Survival

- · Surgeon-reported cytoreductive outcome correlates strongly with survival
- Does this actually indicate that minimal disease was left behind?

No... 67 patients at MSKCC with postoperative CT following optimal cytoreduction to surgeon reported < 1 cm residual disease: ~47% with > 1 cm residual on CT

Residual disease on postop CT → decreased OS

Lakhman et al, JR Am J Roentgenol, 2012



Cytoreductive Success = Survival

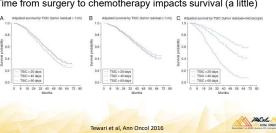
- Even with best open effort, disease is oftentimes left behind
- · Tough areas to see are most common locations for residual disease
- · No video can show you how well or poorly you removed disease that you never saw



Manning-Geist et al, AJOG 2019

Importance of Timely Systemic Therapy

• Time from surgery to chemotherapy impacts survival (a little)



Importance of Timely Systemic Therapy

- Time to chemotherapy/reducing complications does impact survival but...
- · Patients who are best candidates for MIS interval surgery:
 - · Complete response to NACT on imaging
 - Normal CA125
 - · Good candidate for minimally invasive surgery
- Risk of complications with laparotomy for these patients is LOW



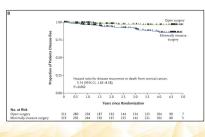
MIS Interval Cytoreduction

- · Burden of proof must be VERY high:
 - Cytoreductive outcome is most important predictor of survival at interval cytoreduction
 - · Good MIS IDS candidates have low risk of complications regardless of surgical approach
 - Since complications are not a concern, must demonstrate that residual disease does not matter much at IDS (contrary to 30+ years of data)

Just because something makes sense, doesn't mean it's true



LACC Trial: A Lesson in MIS Surgery



Lessons for Future

- Must wait for randomized trial to determine safety and efficacy of MIS interval cytoreduction in ovarian cancer
- New technology may improve detection of occult metastases in patients undergoing interval surgery
 Pafolacianine (FR+) with near infrared imaging → detected 40% more lesions; could be especially helpful during MIS



References

- Fagotti A, et al. Randomized trial of primary debulking surgery versus neoadjuvant chemotherapy for advanced epithelial ovarian cancer (SCORPION-NCT01461850), Int J Gynecol Cancer, 2020, 30: 1657-64.

 Hoksins W, et al. The effect of diameter of largest residual disease on survival after primary cytoreductive surgery in patients with suboptimal residual epithelial ovarian carcinoma, Am J Obstet Gynecol, 1994, 170: 974-80.

 Kehoe S, et al. Primary chemotherapy versus primary surgery for newly diagnosed advanced ovarian cancer (CHORUS); an open-label, randomissed, controlled, non-inferrictly tital. Lancel, 2015, 388: 2496-7.

 Lakhman Y, et al. Early postoperative CT as a prognostic biomarker in patients with advanced ovarian, tubal, and primary peritoneal cancer deemed optimally debulked at primary cytoreductive surgery, Am J Roentgenod, 2012, 196: 1453-9.

 Manning-Gest B, et al. A novel classification of residual disease after interval debulking surgery for advanced-stage ovarian cancer to better distinguish encodigo-cutone, Am J Obstet Opread, 2018, 22(4); p. 236 et 325-9.

 Onda T, et al. Comparison of treatment invasiveness between upfront debulking surgery versus interval debulking surgery following necedipoural chemotherapy for Lasge IRIV ovariant, tubal, and peritoneal cancers in a phase III andomised trial. Japan Clinical Oncology Group Study J LOGGOBOZ. Eur J Cancer, 2016, 64: 22-31.

 Fewari K, et al. Early initiation of chemotherapy following onceptive resection of advanced ovarian cancer associated with improved survival: NRO Gonotogoly-Open-odogic Oncology Group study, Am Oncolog. 2016, 27: 14-27.

 Vergote L et al. Neoadjuvant chemotherapy or debulking surgery in stage like and IV ovarian cancer. NEngl J Med, 2010, 363: 943-53.





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/