Updates and Reminders

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VOICE shipping and close out

- □ Thanks to the sites for all the efforts to get out shipments quickly to expedite endpoint verification for the DSMB.
- □ Please let the NL know if any documents are needed to be sent with shipping requests to expedite the process.
- □ Please carefully review instructions in the shipping emails

VOICE shipping and close out

- As study closeout begins, there will be pressure on the sites and NL to verify endpoints and perform HIV testing QA
- Once study visits are complete, other specimens such as cervical and vaginal swabs will be shipped.
- □ Gram stain shipments will be ongoing...

Sample Destruction Procedure

- □ Specimens collected from screening participants who did not enroll.
 - New LDMS report
 - Cross check with your site screening and enrollment report
 - Must be done before shipping specimens to the NL

Sample Destruction Procedure

- Specimens collected from participants who enrolled but did not consent to long term storage
 - Do not destroy these samples until notified by SCHARP and the NL
 - SCHARP will generate a list of PTIDS to be destroyed

EQA updates

- □ hCG
 - Switching from CAP to Accutest in 2012
 - □ Accutest sends 15 samples per year.
 - Some samples have low quantities of hCG
- Syphilis EQA vs. study samples
 - Report both the RPR and TPHA
- □ Save CAP and Accutest samples
 - Use for retesting if results are incorrect
 - Use for QC, validation, or training

Supply requests

- □ Check the inventory of kits and outdates to reduce the number of shipments.
 - BVBlue, OSOM rapid Trich, pH paper, urine dipsticks, controls
- Send your request 1 month in advance to Wayne Hall, Lorna Rabe, and Edward (Ted) Livant
- □ Include at least one other person from your site on the e-mail request incase the initial person is not available to receive the shipment.
- MTN does not have supplies in stock. We order from the US distributor. Kits are delivered to our lab in 1-2 weeks depending on the item and if they are in stock at the distributor

Invoices for supplies

- the invoice sent with the package is an estimate of the cost for customs purposes
- □ A second invoice is sent from the MTN finance department about 1 month later that includes the shipping costs
- □ Any billing inquires are to be directed to:
 Nicole Lazor: lazorn@mwri.magee.edu

How to store Gram stain slides and enter into LDMS

- □ Use two slide boxes, one for the slides to be shipped and the other for the backup slide
- □ Entering into LDMS:
 - storage module
 - Configuration
 - Fill order: change to top to bottom, left to right
 - Coordinates: columns, rows
 - # of columns: 1, # of rows: 100

Shipping slides to Network Lab

- □ Ship only boxes of 100 slides
- □ Notify Ted, Wayne, and Lorna when shipping slides
 - Send tracking number
 - LDMS formatted manifest: send by e-mail (not .csv)
- □ Preparing the slides for shipment
 - Put several paper towels in the lid of the boxes to prevent slides from moving. (shake the box and if it rattles add more paper towels.
 - Wrap tape around the box to secure lid.
 - Use bubble wrap, paper, or Styrofoam packing material
- □ FedEx, DHL, or World Courier

BVBlue

- □ Rapid test that detects elevated levels of sialidase
- □ Previous published studies showed a sensitivity between 89-100%
- Preliminary results from the VOICE enrollment visits

Results: BVBlue vs Gram Stain in VOICE Study

	Gram stain		
BVBlue test	Positive	Negative	
N=371	(Nugent 7-10)	(Nugent 0-6)	
	n = 151	n = 220	
Positive	78	12	
Negative	73	208	

Sensitivity 52% Specificity 96%

Positive Predictive value 87% Negative Predictive value 74%

BVBlue Results by Sites

Sites	Total tested	BVBlue positive	Gram stain score 7-10	Sensitivity	Specificity
All Sites	371	90 (24%)	151 (41%)	52%	96%
Verulam	94	23 (24%)	41 (43%)	49%	94%
Botha Hills	67	18 (27%)	35 (52%)	49%	97%
Umkomaas	59	7 (12%)	14 (24%)	50%	100%
RK Khan	53	11 (21%)	22 (42%)	50%	97%
Tongaat	33	14 (42%)	13 (39%)	69%	75%
Overport	18	3 (17%)	9 (50%)	33%	100%
Isipingo/eThikwini	8	2 (25%)	3 (38%)	67%	100%
Aurum/WRHI	27	7 (26%)	10 (37%)	60%	94%
Zimbabwe	8	1 (13%)	2 (25%)	50%	100%
Uganda	4	3 (75%)	2 (50%)	100%	50%

Women with Gram Stain Positive for BV (Score 7-10)

	BVBlue pos	BVBlue neg	P value
N	78	73	
Mean Gram stain score	8.7	8.3	0.03 1
Yeast present on GS	4 (5%)	4 (5%)	NS

	WBC ²				
	0	1+	2+	3+	
BVBlue pos	51	17	10	0	P value=0.009 ³
BVBlue neg	37	18	9	9	

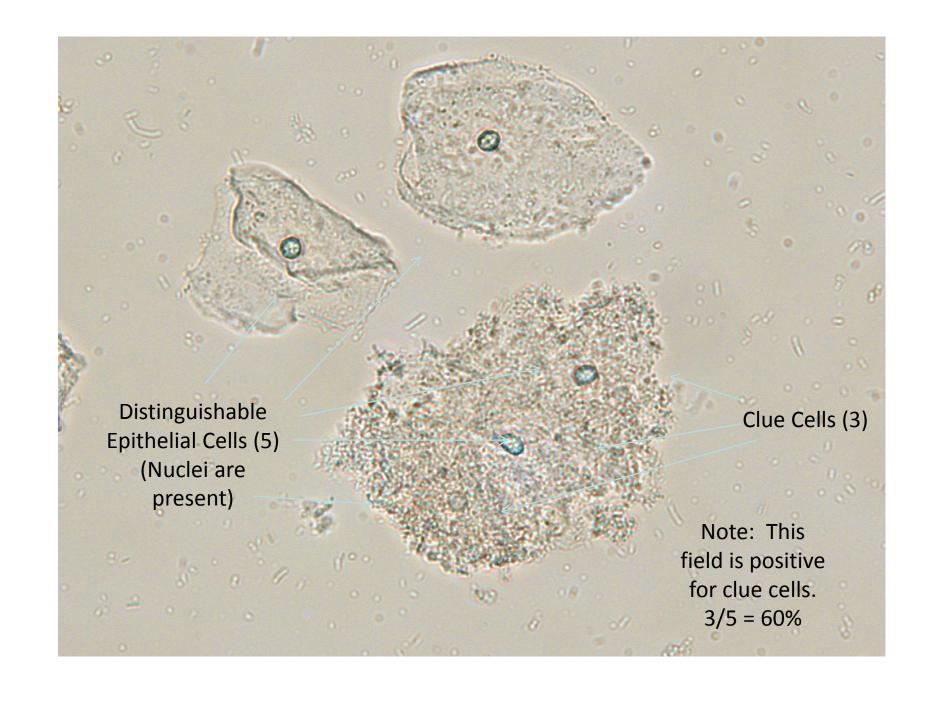
- 1. Mann Whitney
- 2. <1 WBC/1000X=1+, 1-4 WBC/1000X=2+, 5-30 WBC/1000X=3+
- 3. Chi Square for linear trend

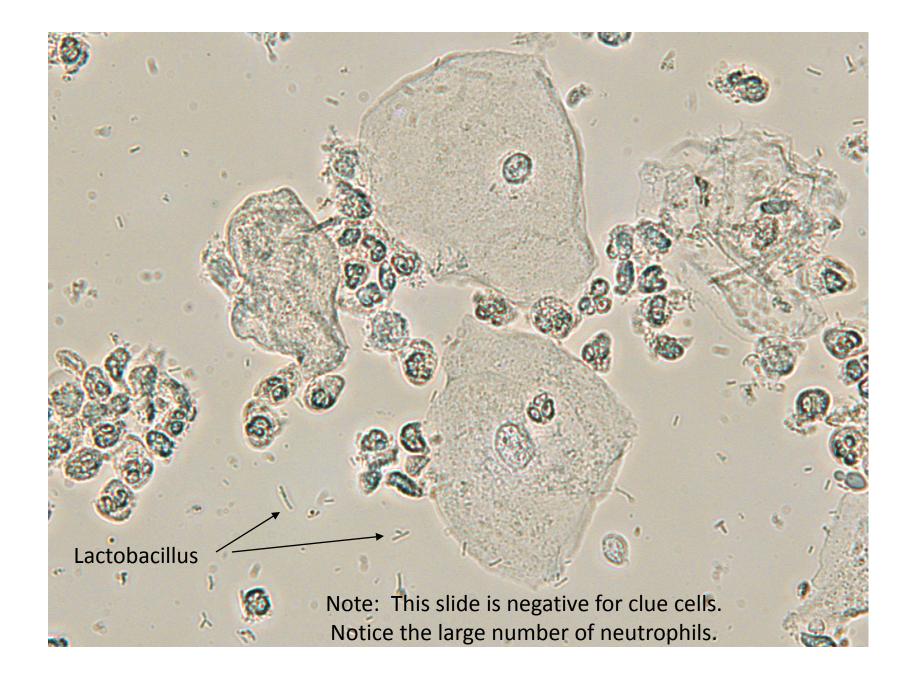
Diagnosis of BV

- BVBlue will continue in VOICE
- BVBlue will NOT be used in MTN 020 (ASPIRE) study
- □ Amsel criteria will be use for MTN 020

Wet mount proficiency test

- □ Send list of readers and their email addresses to Michele Austin and Lorna Rabe
- □ Please stress to the readers that they need to take the tests as soon as possible.
 - If they fail the initial test they will need to take another test before the deadline date
- □ A set of training slides are available at the MTN website located in the network/laboratory/wet mount proficiency
 - Use this as a refresher or to supplement your training





Reading KOH Wet Preps

- The following tips can be utilized in order to correctly identify pseudohyphae and yeast in a wet prep.
 - 1. Pseudohyphae must have yeast "budding off" of the tubular structure in order for it to be correctly identified as pseudohyphae. If there are no "buds" present, it is not pseudohyphae.
 - 2. In order for yeast not to be mistaken for nuclei of cells, they must be "budding". This form resembles a larger oval with a smaller oval attached at one end. Without the bud, the yeast would look like a nuclei.

Example:



