



PARTICIPANT STATISTICS

GRAM STAIN

SECOND QUADRIMESTER 2016

Gram Stain	Specimen 1		Specimen 2		Specimen 3		Specimen 4		Specimen 5		No. of Labs
	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	
	83	13	93	3	5	91	1	95	87	9	96
Flagging		***		***	***		***			***	

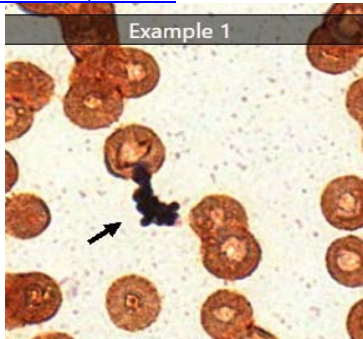
Morphology	Specimen 1		Specimen 2		Specimen 3		Specimen 4		Specimen 5	
	No.	Flagging	No.	Flagging	No.	Flagging	No.	Flagging	No.	Flagging
Cocci	40		0	***	79		71		3	***
Diplococci	46		0	***	2		14		0	***
No diplococci present	0	***	2		2	***	1	***	2	
Coccobacilli	0	***	1	***	0	***	0	***	8	***
Rods (Bacilli)	0	***	83		0	***	0	***	73	
Streptococci	0	***	0	***	0	***	0	***	0	***
Total Population	86		86		83		86		86	

Educational

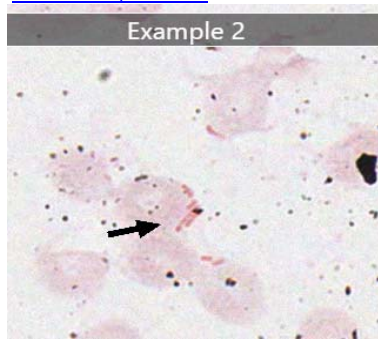
Gram Stain	Specimen 1			Specimen 2		
	Neg	Pos	No pathogen found	Neg	Pos	No pathogen found
	0	40	0	40	0	0

Morphology	Specimen 1		Specimen 2	
	No.	Flagging	No.	Flagging
Cocci	38		0	
Diplococci	2	***	0	
No diplococci present	0		0	
Coccobacilli	0		1	***
Rods (Bacilli)	0		38	
Streptococci	0		1	***
Total Population	40		40	

[Educational Specimen 1:](#)



[Educational Specimen 2:](#)



Gram Stain Educational Case Histories 2Q2016

Sample 16Q2 - 1: History: A 30-year-old man with history of atopic dermatitis presented to the accident and emergency department of our hospital with fever and generalized skin rash. He complained of malaise and poor appetite for a week. He had a brief period of confusion on the day prior to admission. On examination, the patient was drowsy; temperature was 38°C, pulse rate 110/min and blood pressure 144/88 mm Hg. He had a generalized erythematous macular non-blanching skin rash and small purpuric haemorrhages over the palate. Blood cultures were obtained and this is a gram stain from the blood culture bottle.

Sample 16Q2 - 2: History: A 63-year-old diabetic underwent transrectal ultrasound (TRUS)-guided prostate biopsy for an elevated PSA of 5.7 ng/mL and no findings on digital rectal examination (DRE). The night after his biopsy, he presented to the emergency room with a fever, chills, pain and breathlessness. He appeared septic, with a systolic blood pressure of 75 mmHg, temperature 102°F. Blood cultures were obtained and this is a gram stain from the blood culture bottle.