



## Clinical Laboratory/Phlebotomy - Sharing Best Practices Session Notes (April 9<sup>th</sup>, 2020)

### Attendees

1. Sasha Kahiga-CPS, TCSG
2. Brittany Duncombe, TCSG
3. Sarah Pratt, Savannah Technical College
4. Jennifer Stephenson
5. Cristy Cole, West GA Technical College
6. Erin Rollins, Southeastern Technical College
7. Cindy Williams, Southeastern Technical College
8. Anita Khoram, GA Piedmont Technical College
9. Patty Wynne, Central GA Technical College
10. Sarah Robertson, Wiregrass GA Technical College
11. LaShauna Hunt, Central GA Technical College
12. Al Harmon, Central GA Technical College
13. Tonya Brown, Lanier Technical College
14. Selena Jones, Southern Crescent Technical College
15. Ibsa, GA Piedmont Technical College
16. Robin Aiken, Chattahoochee Technical College
17. Dana Roessler-Dean, Southeastern Technical College
18. Sharon Vaughan
19. Jennifer Stephenson
20. Christ Bivins- Dean, North GA Technical College
21. Robert Hires, Southern Crescent Technical College
22. Selena Jones, Southern Crescent Technical College
23. J. Loudermilk
24. Phyllis Ingram, West GA Technical College
25. Kathleen Bombery- Dean, Savannah Technical College
26. Luz Ibarra
27. Theresa Snagg- Dean, GA Piedmont Technical College
28. Jay Kramer-
29. Andrea Selby

## Topic Discussion Notes

### 1. TCSG Recommendations & Resources

- GVTC- Academic Continuity Webpage, <https://gvtc.tcsg.edu/deac/>
  - Provides online strategies, best practices for instructors and students, recommendations for virtual labs, and much more.
- Sasha discussed her attendance on the American Technical Education Association (ATEA) Best Practice for Going Virtual meetings and provided the notes at the end of this document.
- Agencies Program Modification Spreadsheet
  - Sasha presented and explained the TCSG Health Program Clinical Hours.
  - Any communication received from a programmatic accrediting agency, or regulatory body should be sent to Sasha to ensure that the spreadsheet is updated with the most recent agency information.
  - The group reviewed the information presented and informed Sasha of the following,
    - The information listed does not pertain to an accreditation organization but a national certification organization that issues Phlebotomy certificates upon passing the examination.
    - There are various certification examinations, and each requires a different number of sticks since many do not refer to hours.
    - The range should be listed as 25-100 sticks
    - Each program must review and verify any modifications with the certification agency the program requires its students to test with.

Medical Laboratory (Clinical Laboratory)	285	180	855		495	NAACLS	NAACLS does not mandate hours. Program/Clinical length is sufficient to the time needed to acquire required competencies. Agency expects programs to follow submitted TCSG standards.	Programs are advised to complete rotations through simulation and stay compliant with the NAACLS Standards and entry-level competencies; programs can continue uninterrupted. If not, programs may have to delay those essential parts of the rotation until clinical spots once again make themselves available.
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### 2. Open Discussion

- The colleges shared the following information,
  - Central GA Technical College
    - Uses Blackboard Collaborate
    - Assign assessments to students using CellaVision- <https://www.cellavision.com/en/>

- Using resources from the University of Minnesota
- GA Piedmont Technical College
  - Assigns case students using resources from the University of Minnesota as lab practice
  - Provides students with YouTube videos
  - Uses My Lab, Online Simulation Lab, to keep students abreast of the competencies.
  - Assigns students assignments requiring each student to demonstrate skills using a camera to record each step.
  - Delaying labs and clinicals until schools reopen and clinical sites began accepting students again.
- Chattahoochee Technical College
  - Uses Blackboard Collaborate for lecture
  - Issuing “incompletes” grades for lab courses until labs reopen, and students can be checked off for lab competencies
  - Issuing “incomplete” grades for clinical courses until clinical sites resume.
  - Students may have to return in the summer to complete the lab portion of the course.
- West GA Technical College
  - Uses Labster Video simulation Case Studies- <https://www.labster.com/>
- For clinical completion, the majority of the sites are not allowing students until further notice.
- Program Directors are more concerned with students gaining competency rather than hours.

### 3. Recommended Resources/Suggestions

- Instructor suggested the Association for Public Health Laboratories (AHL) [www.aphl.org](http://www.aphl.org)
  - Has free online educational resources.
- Instructor suggested having students download free cell counter apps.
  - Ensure that the students download the bone marrow cell counter so that they can count the immature cells.
  - Can be downloaded via Apple Store or Google Play
- Instructor suggested Clinical Laboratory Educations Conference (CLEC-ASCLS)
  - May have resources that can be helpful

- Instructor suggested checking out the CDC website for resources.
- Instructor stated for CLT students, NAACLS service work policy has been lifted.
  - Students who are currently employed and working in a lab can earn their clinical hours.
    - Instructor will share with the group the official communication from NAACLS about the service work policy.
  - It was also stated that if a student was employed and decided to complete clinical hours outside their work hours, they are not in violation of the policy.
- Instructors requested the following from Sasha
  - Offer monthly Sharing Best Practices Sessions
    - Sasha will check her May schedule and send a calendar request when available.
  - Continue sending out any communication she receives to keep them abreast of the necessary information.

#### 4. Notes from ATEA Meeting

- Additional notes within a PDF will be sent to through the listserv.



### **Health Care Professions Going Virtual - Best Practices**

#### **Medical Lab Tech / Phlebotomy**

- Team Meetings for all lectures and “as live as possible lab sessions” for the students
- Utilizing microscope camera from the lab. Procedural steps are videoed and then instructors perform cell counts together online with students.
- Some clinical hours can be done via simulation once back on campus
- University of Minnesota
  - Digital slide database of hematology slides for teaching and have expanded the database to include some body fluid slides, as well as gram stains and a few parasitology slides.
  - **Database offered for free until 5/31/2020.**

- *Any MLS or MLT program* that needs to use this resource in the coming months can request a free license by visiting the website linked [HERE](#).
  - **This is a no cost license that is normally available only to Minnesota system institutions.**
- Media Lab
  - <https://www.medialab.com/>
- MTS
  - <https://www.medtraining.org/>
  - For the MLT/Phlebotomy students to deliver some of our material and assessments
- Cellavision
  - <https://www.cellavision.com/en/educator-login>
  - They are offering this for free for educators, one license per site, up to 100 students per account.
- BioRad Resources:
  - PCR
    - Animated PCR Tutorial  
[https://www.bio-rad.com/webroot/web/movies/lse/global/english/what-is-polymerase-chain-reaction/tutorial.html?WT.mc\\_id=200325027905](https://www.bio-rad.com/webroot/web/movies/lse/global/english/what-is-polymerase-chain-reaction/tutorial.html?WT.mc_id=200325027905)
    - PCR Video Playlist  
[https://www.youtube.com/playlist?list=PL7\\_N-H8d6RiNVZ5Fi6ccX-uoxiIBT5tmU](https://www.youtube.com/playlist?list=PL7_N-H8d6RiNVZ5Fi6ccX-uoxiIBT5tmU)
    - A Brief History of PCR (PowerPoint)  
[https://www.bio-rad.com/webroot/web/software/lse/Downloads/A\\_Brief\\_History\\_of\\_PCR.ppt?WT.mc\\_id=200325027905](https://www.bio-rad.com/webroot/web/software/lse/Downloads/A_Brief_History_of_PCR.ppt?WT.mc_id=200325027905)
  - Real-Time PCR
    - Discover Real-Time PCR for the Classroom (YouTube video)  
<https://www.youtube.com/watch?v=bMw5t9Os6qA>
    - Real-Time PCR Basics (PowerPoint)  
[https://www.bio-rad.com/webroot/web/software/lse/Downloads/Real-Time\\_PCR\\_Basics.ppt?WT.mc\\_id=200325027905](https://www.bio-rad.com/webroot/web/software/lse/Downloads/Real-Time_PCR_Basics.ppt?WT.mc_id=200325027905)
    - Real-Time PCR Applications (PowerPoint)  
[https://www.bio-rad.com/webroot/web/software/lse/Downloads/Real-Time\\_PCR\\_Applications.ppt?WT.mc\\_id=200325027905](https://www.bio-rad.com/webroot/web/software/lse/Downloads/Real-Time_PCR_Applications.ppt?WT.mc_id=200325027905)

## ELISA

- Antigen Detection ELISA Animated Tutorial  
[https://www.biorad.com/webroot/web/html/lse/global/english/products/protein\\_analysis\\_kits/product\\_overlay/global/antigen-detection-elisa-animation/antigen\\_elisa.html?v=bMw5t9Os6qA&WT.mc\\_id=200325027905](https://www.biorad.com/webroot/web/html/lse/global/english/products/protein_analysis_kits/product_overlay/global/antigen-detection-elisa-animation/antigen_elisa.html?v=bMw5t9Os6qA&WT.mc_id=200325027905)
- ELISA Antibody Animated Tutorial  
[https://biorad-ads.com/elisa\\_antibody-animation/elisa\\_antibody-test-full.html?WT.mc\\_id=200325027905](https://biorad-ads.com/elisa_antibody-animation/elisa_antibody-test-full.html?WT.mc_id=200325027905)
- How To Perform A Qualitative ELISA Video  
[https://www.youtube.com/watch?v=52V8ackjd20&list=PL7\\_N-H8d6RiOwN6bx9JRqmKUSa64eXugg](https://www.youtube.com/watch?v=52V8ackjd20&list=PL7_N-H8d6RiOwN6bx9JRqmKUSa64eXugg)
- How To Perform A Quantitative ELISA Video  
[https://www.youtube.com/watch?v=cLVKB4MPVMA&list=PL7\\_N-H8d6RiOwN6bx9JRqmKUSa64eXugg](https://www.youtube.com/watch?v=cLVKB4MPVMA&list=PL7_N-H8d6RiOwN6bx9JRqmKUSa64eXugg)
- Phlebotomy Exam Simulator
  - <https://www.medialab.com/exam-simulator-phlebotomy>
- The Center for Phlebotomy Education
  - <https://www.phlebotomy.com/free-stuff-from-the-center-for-phlebotomy-education.html>
  - Provides free documents and downloads and has also offered a free subscription to the Phlebotomy channel All access Pass to streaming videos.

