





Anatomic Pathology and Histo-Cytotechnology (APHC) Virtual Academy

Specialized Professional Program

Gynecologic Cytopathology Screening

In collaboration with

Health Support Services Center, MOH







Saudi Society of Clinical Laboratory Sciences



Saudi Society of Laboratory Medicine



Participating laboratories









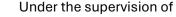








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Program Brief:

Program Name	Gynecologic Cytopathology Screening
Program Provider	Anatomic Pathology and Histo-Cytotechnology (APHC) Virtual Academy https://aphc.ssch.org.sa By the Saudi Society of Cytotechnology and Histotechnology, & Saudi Society of Anatomical Pathology
Program Duration	18 Weeks
Program Modality	Hybrid
Starting Date	29 th September 2024
Program Director	Mr. Abdulbasit Andijany, MSc, CT(ASCP) ^{CM} , HTL(ASCPi) ^{CM} QLS ^{CM} ToT, LSSBB, OTT-F, eLXD-F, eLQA-F Chairman and CPD manager of the ssch.org.sa Senior Specialist in Cytopathology aandijany@ssch.org.sa +966540342848

Abbreviations:

APHC VA	Anatomic Pathology and Histo-Cytotechnology Virtual Academy
ASCP	American Society for Clinical Pathology
ASCCP	American Society for Colposcopy and Cervical Pathology
CanMEDS	Canadian Medical Education framework
CAP	College of American Pathologists
FGT	Female Genital Tract
SCFHS	Saudi Commission for Health Specialties
SPP	Specialized Professional Program
SSAP	Saudi Society of Anatomical Pathology
SSCH	Saudi Society of Cytotechnology and Histotechnology







Program Introduction:

The scientific planning committee found that there is a shortage in the number of skilled laboratory professionals who screen pap smears, a preventable disease with a high success rate when detected early. To address this shortage, the scientific planning committee identified gaps in the knowledge, skills and attitude of the intended target audience (though surveys, focus groups and direct request from the audience) in i) anatomy, embryology, cytomorphology and pathophysiology of the female genital tract. ii) cytomorphologic features of commonly encountered cell types and microorganisms seen in female genital tract. iii) the Bethesda System for Reporting Cervical Cytopathology. iv) different cytology processing techniques and best practices. Therefore, a specialized professional program (SPP) was developed. This SPP in Gynecologic Cytopathology Screening shall deliver virtual lectures (Theoretical sessions) and virtual pap smears (Practical sessions) to the target audience in the whole Kingdom of Saudi Arabia through the Anatomic Pathology and Histo-Cytotechnology Virtual Academy (APHC VA). Virtual slides will allow for real time screening of pap smears using a light microscope, and also serve as a tool to enhance screeners' digital pathology skills.

Program Objectives:

The overall objective of this SPP is to enroll the target audience in a well-structured comprehensive training program certified by the SCFHS in gynecologic cytopathology. After successful completion of the training and passing the final exams, the graduates will:

- Be able to identify the anatomy, embryology, cytomorphology and pathophysiology of the female genital tract and corresponding cellular manifestations which provide diagnostic information.
- Be able to describe the cytomorphologic features of commonly encountered cell types and microorganisms seen in female genital tract specimens.
- Be able to interpret and diagnose pap smears using the Bethesda System for Reporting Cervical Cytopathology.
- Be able to recognize pap smears different processing techniques.
- Be able to recognize national and international standards in the pre-analytical, analytical and post-analytical phases pertaining to pap smears and cytology laboratories.
- Be able to analyze and summarize published papers in cytopathology. Under the supervision of





Program Outcome:

After successful completion of the training and passing the final exams, the trainees will function as gynecologic cytopathology screeners (Pap smears screeners) using a light microscope or a virtual slide, and aid in the early detection of cervical cancer in Saudi Arabia filling the shortage in the number of laboratory professionals in this field.

Program Rational:

The 2030 Vision of Saudi Arabia outlines a comprehensive plan to transform the nation. One of its key objectives is to improve the value and accessibility of healthcare services for all citizens. Having a specialized professional program in gynecologic cytopathology programs directly aligns with this vision. By creating a dedicated workforce of pap smear screeners, Saudi Arabia can significantly improve access to cervical cancer screening.

Currently, Saudi Arabia faces a shortage of certified cytotechnologists (less than 50 certified cytotechnologists). This lack of specialists forces many hospitals to forego pap smear screening altogether. Patients seeking this service are often directed to specialized centers, creating a logistical hurdle and potentially delaying diagnosis.

Cytotechnologists play a critical role in expediting the screening process and optimizing pathologist workload. The vast majority of pap smears (over 95% according to published studies) are negative for intraepithelial lesions or malignancy. Cytotechnologists, with their specialized training and after screening certain numbers of cases assigned by their employers, can screen and release these negative cases according to the CAP, freeing up pathologists to focus on complex and potentially cancerous samples. This specialized professional program shall deliver well trained pap smears screeners to help fill the gap of the shortage in cytotechnologists.

This streamlined approach translates to faster turnaround times for patients, allowing for earlier intervention when necessary. Furthermore, a robust workforce of cytotechnologists will enable hospitals to offer pap smear screening services, significantly increasing access for women across the country.







Program Vision:

The program addresses and provides strong knowledge related to screening gynecologic cytopathology specimens (pap smears) in i) anatomy, embryology, cytomorphology and pathophysiology of the female genital tract. ii) cytomorphologic features of commonly encountered cell types and microorganisms seen in female genital tract. iii) the Bethesda System for Reporting Cervical Cytopathology. iv) different cytology processing techniques and best practice.

Program Scientific committee:

 Head: Dr. Ahmad Gazi Alsulimani, Associate professor of pathology at Jazan University, consultant specialist in Cytopathology (SCFHS).

Email: ahmadg.alsulimani@gmail.com

- Dr. Majed Pharaon, Consultant Histopathologist and Cytopathologist at King Abdulaziz Medical City, King Fahad National Guard Hospital, Riyadh Email: md.pharaon@gmail.com
- Dr. Turki Alhussain, Consultant Histopathologist and Cytopathologist at King Faisal Specialist Hospital and Research Center-Riyadh

Chairman; ssap.org.sa

Email: alhussainturki@gmail.com

Mr. Abdulbasit Andijany

MSc, CT(ASCP)^{cm}, HTL(ASCPi)^{cm}, QLS^{cm}, ToT, LSSBB, OTT-F, eLXD-F, eLQA-F

Senior specialist in Cytopathology (SCFHS)

Chairman and CPD Manager; ssch.org.sa

Email: aandijany@ssch.org.sa

Mr. Ahmed Alsayed

MSc, CT(ASCP), CT(IAC), CPHQ, Senior specialist in cytopathology (SCFHS)

Email: alsayedahmed@outlook.com







• Mr. Abdulaziz Asiri

MSc, CT(ASCP), senior specialist in cytopathology (SCFHS)

Email: abdulaziz0225@gmail.com

Mrs. Aisha Altheniaan

MSc, CT(ASCP), senior specialist in cytopathology (SCFHS)

Email: aaltheniaan@gmail.com

Mr. Rafat Hamoh

Post baccalaureate certificate program in cytotechnology, CT(ASCP), CPHQ, PMI-RMP, CPHMG, LSSBB, CSP, TeamSTEPPS Master Trainer, OTT-F, eLXD-F, senior specialist in cytopathology (SCFHS)

Email: rhamoh@hotmail.com

Mr. Jamal Alrowaihi

BSc, Anatomical Pathology and Cytology supervisor, Alborg Medical Laboratories, Laboratory specialist (SCFHS)

Email: j.rowaihi@alborgdx.com

Program competencies:

At the completion of training, graduates will have acquired the following competencies and will function effectively as per CanMEDS roles framework competencies:

Medical and Technical expert (MTE):

- Become familiar with the different techniques in processing pap smears and applying national and international standards in the pre-analytical, analytical and post-analytical phases pertaining to pap smears.
- In-depth knowledge of gynecologic cytology, including normal and abnormal cell morphology, cervical cancer precursors, and various pre-cancerous conditions.
- Develop strong analytical skills for accurately identifying and classifying cells in pap smears.







 Develop skills in quality control and ensuring accurate results are emphasized.

Collaborator (COL):

 Works effectively with other health professionals to prevent, negotiate, and resolve inter-professional and intra-professional conflicts.

Leader (L):

- o Utilize time and educational resources effectively.
- Gain valuable skills in managing limited healthcare resources wisely.

• Professional (P):

- o Performs and abides by the codes of ethics.
- Demonstrates commitment to excellence and on-going professional development.

• Scholar (S):

- Be acquainted with the recent updates in gynecologic cytopathology.
- Participate in the national gynecologic cytopathology statistics professional performed by the Saudi Society of Cytotechnology and Histotechnology.
- o Participate in research.

Communicator (COM):

Works effectively and clearly communicating with colleagues.

Health advocate (HA):

Knows and follows all safety precautions in the laboratory facility and strives to implement and follow all rules and regulations at all time.







Target Audience:

- Senior laboratory specialists.
- · Laboratory specialists.
- · Pathologists.
- · Pathology Residents.

Program Eligibility Criteria:

- A minimum of a bachelor's degree in medical laboratory sciences/technology, or a bachelor's degree in medicine and surgery.
- A valid/current SCFHS registration.

Program Venue & Address:

- All lectures (Theoretical sessions) and virtual slides (Practical sessions) will be delivered virtually through the accredited APHC virtual academy.
- Final glass slides practical exam will take place in one of the following centers depending on the geographical location of the trainees:
 - Health Science Research Center Tissue Biobank laboratory, Prince Nourah Bint Abdulrahman University, Riyadh, Saudi Arabia.
 - o King Abdulaziz University Hospital Medical Laboratory, Jeddah, Saudi Arabia.
 - Al Hada Armed Forces Hospital Medical Laboratory, Taif, Saudi Arabia.
 - Eastern Health cluster, continuous professional development administration and medical laboratories of the cluster, Eastern region, Saudi Arabia.
 - o Alborg Academy Medical Laboratories, Jeddah, Saudi Arabia.

Code of ethics:

- Trainees must follow and abide by the code of ethics when communicating with the trainers, other trainees and at the participating laboratories.
- Any breach in the code of ethics will result in asking the trainees to leave and a zero will be assigned for that assignment.







Certificate of Competency Expiry Duration and Renewal:

Certificate Duration:

Certificate of competency will be valid for a duration of 3 years.

Certificate Renewal:

- To renew the certificate of competency, the healthcare practitioner must provide evidence in enrolling in the educational activity by the CAP in gynecologic cytology program with a total of 20 CME hours during the three years period after completing the program.
- Healthcare practitioners working in non-accredited laboratories by the CAP, must provide
 evidence in enrolling in continuous professional development activities in gynecologic
 cytology equivalent of 20 CME hours.

Program Mode of Delivery:

- All lectures (Theoretical sessions) and virtual slides (Practical sessions) will be delivered virtually through the accredited APHC virtual academy.
 - The APHC virtual academy that is owned and managed by the Saudi Society of Cytotechnology and Histotechnology, and accredited by the NELC and SCFHS as an e-learning platform; https://aphc.ssch.org.sa/.
- Zoom webinar will be used in meeting sessions through the APHC virtual academy to allow attendees to meet with the instructor on a weekly basis for a minimum of three hours for an "in-depth" lecture and to explore and practice virtual slides screening. Virtual slides will be uploaded to pathpresenter.com and direct link will be shared with the attendees through the APHC virtual academy.
- Final written (theoretical) and practical exam at the participating laboratories venues; final
 written exam will be provided through the APHC virtual academy (from the questions
 bank), and the final practical exam will be on 20 glass slides at participating laboratories
 (schedule to be assigned after the start of the course).
- Virtual slide exam will be every 4 weeks; a link to screen the slide will be provided and the attendees will be asked to answer questions through the APHC virtual academy.







- Discussions and questions are encouraged through the APHC virtual academy between trainers and trainees.
- Feedback forms will also be used by trainers and trainees to evaluate the learning journey.

Virtual slides:

- Virtual slides will be on all types of pap smears (Conventional, ThinPrep & SurePath)
- Virtual slides will be uploaded to pathpresenter.com SSCH account and a direct link will be provided to the attendees for live training through the APHC virtual academy.
- Attendees will also have weekly homework and virtual slides exams where they submit their answers through the APHC virtual academy.
- Virtual slides (Total of 80 slides) will cover the following topics:
 - Unsatisfactory. NILM, Microorganisms, Reactive changes, ASC-US, ASC-H, LSIL,
 HSIL, AGC, AIS, Adenocarcinoma and Squamous carcinoma.

Program actual learning hours:

- 4 hours each week; 1 hour through APHC virtual academy and 3 hours through Zoom.
- Virtual academy one hour will be on a Pre-Lecture/summary that will help in reducing the
 cognitive load of the actual lecture and have the trainees arrive better prepared allowing
 for more in-depth class discussion.
 - Pre-Lecture include, notes, infographics and virtual slides.
- Total learning hours= 4 hours x 17 weeks = 68 hours







Program assessments:

- The assessment was written to include formative and summative assessment.
- The difference between formative and summative assessment:
 - The goal of formative assessment is to monitor trainees' learning to provide ongoing feedback that can be used by trainers to improve their teaching and by trainees to improve their learning. More specifically, formative assessments help trainees identify their strengths and weaknesses and target areas that need improvement and help faculty recognize where trainees are struggling and address problems immediately. On the Other hand, the goal of summative assessment is to evaluate trainees' learning at the end of the program by comparing it against standards or benchmarks. The table below summarizes differences between formative and Summative assessments:

	Formative	Summative
What	Assessment FOR learning	Assessment OF learning
Purpose	Improve learning and teaching	Measure of competencies
When	On-going	End of the program
How used by Trainees	Learn through feedback and practice	Grades

Formative assessment:

- o Pre-Test (before the lecture) & Post-Test (after the lecture).
- Virtual pap smears screening when applicable (homework).







• Summative assessment:

- o End-of-program final written exam.
- Virtual Gyn slides exam. *
- o Final practical exams (OSPE) (20 glass slides).
- Research analysis (Critically appraise and summarize scientific peer reviewed recent articles in the field of cytopathology).

Item	Percentage	CanMed
item	reiceillage	competency
Research analysis	10 %	COL, L, P, S, COM
Virtual Gyn slides exam	20 %	MTE, L
Final written exam	35 %	MTE, HA, L
Final practical exams (OSPE) (20 glass slides)	35 %	MTE, L, P, COL
Total scores	100 %	-

- Available score: 100%
 - o 70% and above = Pass
 - o 69% and below = Fail
- Failure in the program will result in a no-refund and no-certificate.
- * Virtual Gyn slides exam (Week 4, 8, 12 & 16), graded as follow for each case:
 - Correct diagnosis= 10/10
 - One category difference= 5/10
 - Two categories difference= 0/10
 - Calling a diagnosable slide unsatisfactory= 0/10
 - Made a diagnosis on unsatisfactory slide =0/10
 - Endocervical/T-Zone component present but not identified= -4
 - T-zone component documented when none is present= -4
 - Undetected microorganisms= -2Overcall=-4







Program Requirements and Evaluation:

• Students are required to attend all zoom sessions.

Program Faculty:

Mr. Abdulbasit Andijany (Program Director)
 MSc, CT(ASCP)^{cm}, HTL(ASCPi)^{cm}, QLS^{cm}, ToT, LSSBB, OTT-F, eLXD-F, eLQA-F
 Senior specialist in Cytopathology

Chairman and CPD Manager; ssch.org.sa

Email: aandijany@ssch.org.sa

 Dr. Ahmad Gazi Alsulimani, Associate professor of pathology and consultant specialist in Cytopathology (SCFHS) at Jazan University.

Email: ahmadg.alsulimani@gmail.com

 Dr. Majed Pharaon, Consultant Histopathologist and Cytopathologist at King Abdulaziz Medical City, King Fahad National Guard Hospital, Riyadh

Email: md.pharaon@gmail.com

- Dr. Hatim Almaghrabi, Consultant Histopathologist and Cytopathologist and Chairman of Medical Laboratory at King Faisal Specialist Hospital and Research center, Madinah.
 Email: drpathology@gmail.com
- Dr. Abrar Alghamdi, Consultant Histopathologist and Cytopathologist at Security Forces Hospital, Riyadh.

Email: abrar.ghurmallah@gmail.com

 Dr. Saleh Najjar, Consultant Histopathologist and Cytopathologist at King Faisal Specialist Hospital and Research Center, Riyadh.

Email: salehnajjar85@gmail.com

Dr. Ohoud Aljarbou, Consultant Histopathologist and Cytopathologist at King Abdulaziz
 Medical City, King Fahad National Guard Hospital, Riyadh







Email: ohoudaljarbou@gmail.com

Mr. Rafat Hamoh

Post baccalaureate certificate program in cytotechnology, CT(ASCP), CPHQ, PMI-RMP, CPHMG, LSSBB, CSP, TeamSTEPPS Master Trainer, OTT-F, eLXD-F, senior specialist in cytopathology (SCFHS)

Email: rhamoh@hotmail.com







Program schedule:

Week	Date	Time	Lecture title/activity	Speakers	Lecture Objectives	Venue	Assessment	Contact hours
		60 minutes (accessible anytime)	Pre-Lecture material (Summary, notes, infographics and/or virtual slides)	Self- Reading	- See lecture objectives	APHC VA	Formative assessment (Pre-Test)	1
1	Oct 5, 2024	•	Theoretical session: -Methods of analyzing cellsCytologic Features of Basic Cell Types.		· Identify cell types and	APHC VA		
		minutes 13:00 To 16:00	Practical session: Virtual Gyn slides practice (Normal cells in the FGT)	Mr. Abdulbasit Andijany	morphologic criteria used to evaluate cytologic specimens. Describe the cytomorphologic features of commonly encountered cell types seen in FGT specimens.	Virtual (Zoom) through APHC	Formative assessment (Post-tests and Virtual pap smears screening)	3







Week	Date	Time	Lecture title/activity	Speakers	Lecture Objectives	Venue	Assessment	Contact hours
		60 minutes (accessible anytime)	Pre-Lecture material (Summary, notes, infographics and/or virtual slides)	Self- Reading	- See lecture objectives	APHC VA	Formative assessment (Pre-Test)	1
2	Oct 12, 2024	180 minutes	Theoretical session: -GYN Anatomy and hormonal pattern.			ugh APHC VA	Formative assessment	
		13:00 To 16:00	Practical session: Virtual Gyn slides practice (NILM)	Dr. Majed Pharaon	· Identify the anatomy of the FGT and hormonal pattern.	Virtual (Zoom) through APHC VA	(Post-tests and Virtual pap smears screening)	3







Week	Date	Time	Lecture title/activity	Speakers	Lecture Objectives	Venue	Assessment	Contact hours
		60 minutes (accessible anytime)	Pre-Lecture material (Summary, notes, infographics and/or virtual slides)	Self- Reading	- See lecture objectives	APHC VA	Formative assessment (Pre-Test)	1
3	Oct 19, 2024	180 minutes 13:00 To 16:00	Theoretical session: -Organisms in the FGTIntroduction to the Bethesda System for Reporting Cervical Cytopathology (TBSRCC). Practical session: Virtual Gyn slides practice (NILM + microorganisms)	Dr. Hatim Almaghrabi	 Identify cytomorphologic features of the organisms in the FGT. Discuss the cytopathology reporting categories in the TBSRCC. 	Virtual (Zoom) through APHC VA	Formative assessment (Post-tests and Virtual pap smears screening)	3







Week	Date	Time	Lecture title/activity	Speakers	Lecture Objectives	Venue	Assessment	Contact hours
		60 minutes (accessible anytime)	Pre-Lecture material (Summary, notes, infographics and/or virtual slides)	Self- Reading	- See lecture objectives	APHC VA	Formative assessment (Pre-Test)	1
4	Oct 26, 2024			Identify outomorphologic	ugh APHC VA	Formative assessment (Post-tests and Virtual		
		13:00 To 16:00	Practical session: Virtual Gyn slides practice (NILM + Reactive changes)	Dr. Hatim Almaghrabi	· Identify cytomorphologic features of reactive changes in the FGT.	Virtual (Zoom) through APHC VA	pap smears screening) Summative assessment (Virtual Gyn slides exam (Due 5th week)	3







Week	Date	Time	Lecture title/activity	Speakers	Lecture Objectives	Venue	Assessment	Contact hours
		60 minutes (accessible anytime)	Pre-Lecture material (Summary, notes, infographics and/or virtual slides)	Self- Reading	- See lecture objectives	APHC VA	Formative assessment (Pre-Test)	1
5	Nov 2, 2024		Theoretical session: -Embryology of the Female Genital TractHPV and Dysplasia.		· Discuss normal and pathological development of the FGT.	gh APHC VA		
		13:00 To 16:00	Practical session: Virtual Gyn slides practice (NILM + microorganisms + Reactive changes)	Dr. Majed Pharaon	 Describe the clinical presentations of HPV infection. Describe and identify the histologic and cytologic features associated with HPV infections. 	Virtual (Zoom) through APHC	Formative assessment (Post-tests and Virtual pap smears screening)	3







Week	Date	Time	Lecture title/activity	Speakers	Lecture Objectives	Venue	Assessment	Contact hours
		60 minutes (accessible anytime)	Pre-Lecture material (Summary, notes, infographics and/or virtual slides)	Self- Reading	- See lecture objectives	APHC VA	Formative assessment (Pre-Test)	1
6	Nov 9, 2024	180 minutes 13:00 To 16:00	Theoretical session: Atypical Squamous Cells of Undetermined Significance (ASC-US) and atypical squamous cells, cannot exclude HSIL (ASC-H) And their Differential Diagnosis. Practical session: Virtual Gyn slides practice (ASC-US & ASC-H)	Dr. Majed Pharaon	· Identify cytologic features of atypical squamous cells of undetermined significance (ASC-US) and atypical squamous cells, cannot exclude HSIL (ASC-H) · Identify and apply appropriate cytologic criteria to distinguish among reactive cellular changes, ASC-US and SIL	Virtual (Zoom) through APHC VA	Formative assessment (Post-tests and Virtual pap smears screening)	3







Week	Date	Time	Lecture title/activity	Speakers	Lecture Objectives	Venue	Assessment	Contact hours
		60 minutes (accessible anytime)	Pre-Lecture material (Summary, notes, infographics and/or virtual slides)	Self- Reading	- See lecture objectives	APHC VA	Formative assessment (Pre-Test)	1
7	Nov 16, 2024	180 minutes 13:00 To 16:00	Theoretical session: · LSIL, HSIL to CIS Practical session: Virtual Gyn slides practice (LSIL, HSIL to CIS)	Dr. Abrar Alghamdi	Describe the morphologic changes in the uterine cervix that encompass squamous intraepithelial neoplasia (SIL). Compare terminology used to classify squamous intraepithelial lesions. Explain the anatomic distribution and significance of the morphologic variants of squamous intraepithelial lesions. Describe and recognize the histologic and cytologic features of squamous intraepithelial lesions and categorize the morphologic variants appropriately.	Virtual (Zoom) through APHC VA	Formative assessment (Post-tests and Virtual pap smears screening)	3







Week	Date	Time	Lecture title/activity	Speakers	Lecture Objectives	Venue	Assessment	Contact hours
		60 minutes (accessible anytime)	Pre-Lecture material (Summary, notes, infographics and/or virtual slides)	Self- Reading	- See lecture objectives	APHC VA	Formative assessment (Pre-Test)	1
8	Nov 23, 2024	180 minutes	Theoretical session: · Microinvasive and Invasive Squamous Carcinoma.		squamous carcinoma of the		Formative assessment (Post-tests and Virtual pap smears screening)	
		13:00 To 16:00	Practical session: Virtual Gyn slides practice (LSIL, HSIL to CIS and Squamous Carcinoma)	Dr. Majed Pharaon	· List and apply appropriate criteria to distinguish carcinoma in situ, microinvasive squamous carcinoma, and invasive squamous carcinoma of the uterine cervix	Virtual (Zoom) through	Summative assessment (Virtual Gyn slides exam (Due 9th week)	3







Week	Date	Time	Lecture title/activity	Speakers	Lecture Objectives	Venue	Assessment	Contact hours
		60 minutes (accessible anytime)	Pre-Lecture material (Summary, notes, infographics and/or virtual slides)	Self- Reading	- See lecture objectives	APHC VA	Formative assessment (Pre-Test)	1
9	Nov 30, 2024	180 minutes	Theoretical session: • Endocervical Adenocarcinoma & Its Precursors.	Dr. Saleh	Define, describe and recognize features of reactive and inflammatory changes in endocervical cells, atypical endocervical adenocarcinoma in situ, and endocervical adenocarcinoma.	Virtual (Zoom) through APHC VA	Formative assessment	2
		13:00 To 16:00	Practical session: Virtual Gyn slides practice (AGC, AIS & ADCA)	Alnajjar	Define and describe the features of endocervical columnar dysplasia and microinvasive adenocarcinoma. List differential diagnoses for endocervical glandular neoplasia and explain features used to distinguish these entities	Virtual (Zoom) th	(Post-tests and Virtual pap smears screening)	3







Week	Date	Time	Lecture title/activity	Speakers	Lecture Objectives	Venue	Assessment	Contact hours
		60 minutes (accessible anytime)	Pre-Lecture material (Summary, notes, infographics and/or virtual slides)	Self- Reading	- See lecture objectives	APHC VA	Formative assessment (Pre-Test)	1
10	Dec 7, 2024		Theoretical session: · Endometrial cytopathology.		· Describe/recognize cytologic	APHC VA		
		minutes 13:00 To 16:00	Practical session: Virtual Gyn slides practice (NSILM & ADCA)	Dr. Saleh Alnajjar	criteria used to classify cells as "atypical endometrial cells of undetermined significance." Describe and recognize the cytologic criteria of endometrial adenocarcinoma.	Virtual (Zoom) through APHC VA	Formative assessment (Post-tests and Virtual pap smears screening)	3







Week	Date	Time	Lecture title/activity	Speakers	Lecture Objectives	Venue	Assessment	Contact hours
		60 minutes (accessible anytime)	Pre-Lecture material (Summary, notes, infographics and/or virtual slides)	Self- Reading	- See lecture objectives	APHC VA	Formative assessment (Pre-Test)	1
11	Dec 14, 2024	180 minutes	Theoretical session: • Extra-Uterine Neoplasms in GYN Specimens.	Dr. Abrar	List general sources (organs, tissues, body sites) of extrauterine neoplasms in gynecologic specimens. List general features of papillary serous cystadenocarcinoma and	rough APHC VA	Formative assessment	
		13:00 To 16:00	Practical session: Virtual Gyn slides practice (Mixed including extra- uterine neoplasm)	Alghamdi	mucinous adenocarcinoma in gynecologic specimens. List and describe the types of non-neoplastic ovarian cysts; describe and recognize the basic cell components that may be present in fine needle aspirations of these cysts.	Virtual (Zoom) through APHC VA	(Post-tests and Virtual pap smears screening)	3







Week	Date	Time	Lecture title/activity	Speakers	Lecture Objectives	Venue	Assessment	Contact hours
		60 minutes (accessible anytime)	Pre-Lecture material (Summary, notes, infographics and/or virtual slides)	Self- Reading	- See lecture objectives	APHC VA	Formative assessment (Pre-Test)	1
12	Dec 21, 2024	180 minutes 13:00 To 16:00	Theoretical session: · Vaginal cytopathology. · Virtual Gyn slides practice. Practical session: Virtual Gyn slides practice (Mixed including vaginal cytopathology)	Dr. Ohoud Aljarbou	Discuss the anatomy and normal histology of the vagina. Discuss histologic and cytologic manifestations along with pertinent clinical features of: infectious diseases, inflammatory and miscellaneous conditions, vaginal adenosis, benign neoplasms and tumor –like conditions and vaginal intraepithelial neoplasia (VAIN) Discuss the histologic and cytologic manifestations of squamous carcinoma, Clear cell adenocarcinoma after DES exposure, adenoid cystic carcinoma, melanoma, Sarcoma botryoides and metastatic tumors.	Virtual (Zoom) through APHC VA	Formative assessment (Post-tests and Virtual pap smears screening) Summative assessment (Virtual Gyn slides exam (Due 13th week)	3







Week	Date	Time	Lecture title/activity	Speakers	Lecture Objectives	Venue	Assessment	Contact hours
		60 minutes (accessible anytime)	Pre-Lecture material (Summary, notes, infographics and/or virtual slides)	Self- Reading	- See lecture objectives	APHC VA	Formative assessment (Pre-Test)	1
13	Dec 28, 2024	180 minutes 13:00 To 16:00	Theoretical session:	Dr. Ohoud Aljarbou	Discuss contribution of cytology in diagnosing vulvar disorders Discuss vulvar sampling methods Discuss histologic and cytology features along with pertinent clinical features of: vulvar Herpes, granuloma inguinale, Bartholin's cyst, granular cell tumor, nonneoplastic epithelial disorders lichen sclerosus, squamous hyperplasia, vulvar intraepithelial neoplasia-Bowen's disease, condylomata acuminata, vulvar carcinoma, melanoma, Paget's disease, basal cell carcinoma, metastatic tumors.	Virtual (Zoom) through APHC VA	Formative assessment (Post-tests and Virtual pap smears screening)	3







Week	Date	Time	Lecture title/activity	Speakers	Lecture Objectives	Venue	Assessment	Contact hours
		60 minutes (accessible anytime)	Pre-Lecture material (Summary, notes, infographics and/or virtual slides)	Self- Reading	- See lecture objectives	APHC VA	Formative assessment (Pre-Test)	1
	Jan 4, 2025	13:00 To 14:00	Theoretical session: Research paper analysis.	Dr. Ahmad Alsulimani	- Critically appraise and summarize scientific peer reviewed recent articles in the field of cytopathology.	IC VA	Formative assessment (Post-tests and Virtual pap smears screening) Summative assessment Research summary due	
14		14:00 To	Theoretical session: Radiation cytology	Dr. Majed Pharaon	· Recognize cytomorphologic features of radiation changes in	Virtual (Zoom) through APHC \		3
		16:00	Practical session: Virtual Gyn slides practice (Mixed including radiation changes)		the FGT.	Virtual (Z	16 th week	







Week	Date	Time	Lecture title/activity	Speakers	Lecture Objectives	Venue	Assessment	Contact hours
		60 minutes (accessible anytime)	Pre-Lecture material (Summary, notes, infographics and/or virtual slides)	Self- Reading	- See lecture objectives	APHCVA	Formative assessment (Pre-Test)	1
15	Jan 11, 2025	180 minutes 13:00 To 16:00	Theoretical session:	Dr. Majed Pharaon	Recognize the ASCCP management algorithm in the Gyn cytopathology. Describe and recognize general morphologic features of non-epithelial malignancy of the FGT.	Virtual (Zoom) through APHC VA	Formative assessment (Post-tests and Virtual pap smears screening)	3







Week	Date	Time	Lecture title/activity	Speakers	Lecture Objectives	Venue	Assessment	Contact hours
		60 minutes (accessible anytime)	Pre-Lecture material (Summary, notes, infographics and/or virtual slides)	Self- Reading	- See lecture objectives	APHC VA	Formative assessment (Pre-Test)	1
16	Jan 18, 2025	180 minutes 13:00 To 16:00	Theoretical session: · Quality management in cytology laboratory.	Mr. Rafat Hamoh-	Recognize quality assurance and quality controls methodology and tools in the cytology laboratory. Identify CAP cytopathology requirements.	Virtual (Zoom) through APHC VA	Formative assessment (Post-tests and Virtual pap smears screening) Summative assessment (Virtual Gyn slides exam (Due 17th week)	3







Week	Date	Time	Lecture title/activity	Speakers	Lecture Objectives	Venue	Assessment	Contact hours
		60 minutes (accessible anytime)	Pre-Lecture material (Summary, notes, infographics and/or virtual slides)	Self- Reading	- See lecture objectives	APHC VA	Formative assessment (Pre-Test)	1
17	Jan 25, 2025	180 minutes 13:00 To 16:00	Theoretical session:	Mr. Abdulbasit Andijany	Identify best practice in receiving and processing cytology specimens. Recognized laboratory safety in cytology laboratories.	Virtual (Zoom) through APHC VA	Formative assessment (Post-tests and Virtual pap smears screening)	3







Week	Date	Time	Lecture title/activity	Speakers	Lecture Objectives	Venue	Assessment	Contact hours
18	Feb 1, 2025	180 minutes 13:00 To 16:00	Final Theoretical Exam	-	Provided through APHC Virtual Ac	cadem	y (Questions bank, time fixed	i)
	Feb 2, 2025 To Feb 8, 2025	180 minutes	Final Practical Exam On 20 glass slides	-	At participating laboratories (see later.	page 9), schedule and venue to be a	assigned







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• Texts:

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 Philadelphia: W.B. Saunders Company.
- CAP Practical Guide to Gynecologic Cytopathology: Morphology, Management, and Molecular Methods. 1st ed., College of American Pathologists 2008. ISBN-10: 0930304942, ISBN-13: 978-0930304942
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• Laboratory operations:

 Cibas, E.S. & Ducatman, B.S. (2021). Cytology: Diagnostic Principles and Clinical Correlates (5th ed.). Philadelphia: W.B.

• Study guides:

 Holladay, E.B. (2015). Cytopathology Review Guide (4th ed.). Chicago: ASCP Press.





