

Enduring Materials Learner Notification

City of Hope- Department of Clinical Cancer Genomics

Cancer Genomics Training and Education for VA Providers – Bundle #1: Fundamentals of Genetics

Date of CE Release: December 13, 2024

Date of CE Expiration: December 13, 2025

Location: Online

Acknowledgement of Financial Commercial Support

No financial commercial support was received for this educational activity.

Acknowledgement of In-Kind Commercial Support

No in-kind commercial support was received for this educational activity.

Satisfactory Completion

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Joint Accreditation Statement



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Amedco Joint Accreditation #4008163.

Professions in scope for this activity are listed below.

Physicians

Amedco LLC designates this live activity for a maximum of **2.50 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Pharmacists and Pharmacy Technicians

Amedco LLC designates this activity for a maximum of **2.50** knowledge-based CPE contact hours.

UAN: JA4008163-9999-24-256-H99-P / JA4008163-9999-24-256-H99-T

NOTE to Pharmacists: The only official Statement of Credit is the one you pull from CPE Monitor. You must request your certificate within 45 days of your participation in the activity to meet the deadline for submission to CPE Monitor. Credits are generally reported during the first week of each month for those who claimed during the month prior.

American Board of Surgery (ABS) MOC



Successful completion of this CME activity, which includes participation in the evaluation component, enables the learner to earn credit toward the **CME** requirements of the American Board of Surgery's Continuous Certification program. It is the CME activity provider's responsibility to submit learner completion information to ACCME for the purpose of granting ABS credit. Up to **2.50 CME for MOC** hours available.

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Objectives - After Attending This Program You Should Be Able To

1. Acquire a foundation of knowledge about germline and somatic testing in oncology practice.
2. Develop proficiency and confidence to order and interpret tumor and germline tests.
3. Identify, refer and/or manage patients with hereditary predisposition to cancer.
4. Increase awareness and use of cancer genomics resources in the VA system.
5. Identify patients who may be eligible for targeted cancer therapeutics.
6. Support your clinical practice with evidence-based genetic cancer risk assessment skills.

Disclosure of Conflict of Interest

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All individuals in a position to control the content of CE are listed below.

First	Last	Commercial Interest
Jill	Bates	NA
Mary Jane	Berry	NA
Kathleen	Blazer	Astra Zeneca:Research Grant Overall Principal Investigator
Kelly	Bolton	Servier:Research Grant Overall Principal Investigator,Servier:Scientific/Medical Advisory Board Member
ALEXANDRA	CAPASSO	NA
Anuja	Chitre	NA
Jane	Churpek	UpToDate, Inc:Other
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Tobias	Else	MERCK:Scientific/Medical Advisory Board Member
Christina	Fujii	NA
Lauren	Gima	NA
Veda	Giri	NA
Stacy	Gray	Harvard Medical School:Consultant
Heather	Hampel	GI OnDemand:Consultant,GI OnDemand:Other,Genome Medical:Private Stock Shareholder,Exact Sciences:Scientific/Medical Advisory Board Member,LS CancerDiag OY:Scientific/Medical Advisory Board Member
Gregory	Idos	NA
Joanne	Jeter	NA
Jesse	Kasten	NA
Elisabeth	King	NA
Sonia	Kupfer	Myriad:Other,Invitae:Other,PRECEDE:Other
Allison	Kurian	Ambry Genetics:Other,Myriad Genetics:Other
Phyllis	Leung	NA
Regine	Lim	Sema4/GeneDx:Employee
John	Luna	NA
Lisa	Madlensky	VieCure:Scientific/Medical Advisory Board Member
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Wai	Park	NA
Colin	Pritchard	NA
Padma	Rajagopal	NA
Kathryn	Reyes	NA
Christina	Rybak	Natera:Public Stock Shareholder
Marvin	Rydberg	NA
Tracy	Sandstrom	NA
Susan	Shehayeb	NA
Brian	Shuch	NA
Elise	Sobotka	NA
Ilana	Solomon	NA
Dev	Tanna	NA
Michelle	Weaver Knowles	Myriad Genetics:Speakers Bureau,Ambry Genetics:Speakers Bureau,Merck :Speakers Bureau
Kaila	Wilson	NA
Elyssa	Zukin	NA

Enduring Materials Learner Notification

City of Hope- Department of Clinical Cancer Genomics

Cancer Genomics Training and Education for VA Providers – Bundle #2: Essential Components of the GCRA Practice

Date of CE Release: December 13, 2024

Date of CE Expiration: December 13, 2025

Location: Online

Acknowledgement of Financial Commercial Support

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Acknowledgement of In-Kind Commercial Support

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Satisfactory Completion

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Pharmacists and Pharmacy Technicians

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UAN: JA4008163-9999-24-257-H99-P / JA4008163-9999-24-257-H99-T

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American Board of Surgery (ABS) MOC



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Objectives - After Attending This Program You Should Be Able To

1. Describe fundamentals of the genetic cancer risk assessment (GCRA) process.
2. Take a comprehensive cancer family history.
3. Identify sporadic, familial, and hereditary cancer patterns.
4. Apply reading and interpreting pathology reports to define cancer stage and extract information on histology/molecular features.
5. Describe the roles of other diagnostic data (imaging, CT scans, blood markers).

Disclosure of Conflict of Interest

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Kaila	Wilson	NA
Elyssa	Zukin	NA

Enduring Materials Learner Notification

City of Hope- Department of Clinical Cancer Genomics

Cancer Genomics Training and Education for VA Providers – Bundle #3: Genetic/Genomic Testing

Date of CE Release: December 13, 2024

Date of CE Expiration: December 13, 2025

Location: Online

Acknowledgement of Financial Commercial Support

No financial commercial support was received for this educational activity.

Acknowledgement of In-Kind Commercial Support

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Satisfactory Completion

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Amedco Joint Accreditation #4008163.

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Physicians

Amedco LLC designates this live activity for a maximum of **3.50 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Pharmacists and Pharmacy Technicians

Amedco LLC designates this activity for a maximum of **3.50** knowledge-based CPE contact hours.

UAN: JA4008163-9999-24-258-H99-P / JA4008163-9999-24-258-H99-T

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American Board of Surgery (ABS) MOC



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Objectives - After Attending This Program You Should Be Able To

1. Identify the methods, benefits, and limitations of different types of NGS cancer panels.
2. Recognize approaches to variant interpretation and reporting.
3. Review types of genetic variants.
4. Outline the categories of variant classification established by the ACMG.
5. Recognize and describe various types of mutations.
6. Distinguish between different types of mutation nomenclature.

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Kaila	Wilson	NA
Elyssa	Zukin	NA

Enduring Materials Learner Notification

City of Hope- Department of Clinical Cancer Genomics

Cancer Genomics Training and Education for VA Providers – Bundle #4: Tumor/Germline Testing

Date of CE Release: December 13, 2024

Date of CE Expiration: December 13, 2025

Location: Online

Acknowledgement of Financial Commercial Support

No financial commercial support was received for this educational activity.

Acknowledgement of In-Kind Commercial Support

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UAN: JA4008163-9999-24-259-H01-P / JA4008163-9999-24-259-H01-T

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Objectives - After Attending This Program You Should Be Able To

1. Describe the differences between a high, moderate, and low penetrance cancer susceptibility gene.
2. Counsel a patient about moderate and low penetrance cancer susceptibility genes found on routine clinical testing.
3. Compare the benefits and challenges of somatic panel, germline panel and paired somatic/germline sequencing.
4. Identify issues related to incidental findings in cancer sequencing.
5. Review the various possible mechanisms of both germline and somatic mosaicism.
6. Identify the various mechanisms that can be associated with an altered allelic fraction in a germline genetic test.

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Ilana	Solomon	NA
Dev	Tanna	NA
Michelle	Weaver Knowles	Myriad Genetics:Speakers Bureau,Ambry Genetics:Speakers Bureau,Merck :Speakers Bureau
Kaila	Wilson	NA
a	Zukin	NA

Enduring Materials Learner Notification

City of Hope- Department of Clinical Cancer Genomics

Cancer Genomics Training and Education for VA Providers – Bundle #5: Hereditary Breast and Ovarian Cancer Syndromes

Date of CE Release: December 13, 2024

Date of CE Expiration: December 13, 2025

Location: Online

Acknowledgement of Financial Commercial Support

No financial commercial support was received for this educational activity.

Acknowledgement of In-Kind Commercial Support

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Physicians

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Pharmacists and Pharmacy Technicians

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UAN: JA4008163-9999-24-260-H01-P / JA4008163-9999-24-260-H01-T

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Objectives - After Attending This Program You Should Be Able To

1. Recognize features of high-penetrance hereditary breast/breast and ovarian cancer syndromes.
2. Describe the established and emerging genetic etiologies of breast and ovarian cancer.
3. Describe the differences between high, moderate, and low penetrance cancer susceptibility genes.
4. Recognize that cancer susceptibility genes on clinical panels are not always actionable.
5. Apply mutation probability and empiric risk assessment models for breast cancer.
6. Formulate an evaluation & management plan.
7. Review the tools for high-risk breast and ovarian cancer screening.
8. Identify the role and efficacy of breast and ovarian cancer surgical risk reduction.

9. Recognize the role of chemoprevention options for breast and ovarian cancer risk reduction.

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Kaila	Wilson	NA
Elyssa	Zukin	NA

Enduring Materials Learner Notification

City of Hope- Department of Clinical Cancer Genomics

Cancer Genomics Training and Education for VA Providers – Bundle #6: Hereditary Gastrointestinal Cancer Syndromes

Date of CE Release: December 13, 2024

Date of CE Expiration: December 13, 2025

Location: Online

Acknowledgement of Financial Commercial Support

No financial commercial support was received for this educational activity.

Acknowledgement of In-Kind Commercial Support

No in-kind commercial support was received for this educational activity.

Satisfactory Completion

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Joint Accreditation Statement



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Amedco Joint Accreditation #4008163.

Professions in scope for this activity are listed below.

Physicians

Amedco LLC designates this live activity for a maximum of **5.75 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Pharmacists and Pharmacy Technicians

Amedco LLC designates this activity for a maximum of **5.75** knowledge-based CPE contact hours.

UAN: JA4008163-9999-24-261-H01-P / JA4008163-9999-24-261-H01-T

NOTE to Pharmacists: The only official Statement of Credit is the one you pull from CPE Monitor. You must request your certificate within 45 days of your participation in the activity to meet the deadline for submission to CPE Monitor. Credits are generally reported during the first week of each month for those who claimed during the month prior.

American Board of Surgery (ABS) MOC



Successful completion of this CME activity, which includes participation in the evaluation component, enables the learner to earn credit toward the **CME** requirements of the American Board of Surgery's Continuous Certification program. It is the CME activity provider's responsibility to submit learner completion information to ACCME for the purpose of granting ABS credit. Up to **5.75 CME for MOC** hours available.

You must request your certificate within 45 days of the activity to meet the deadline for submission to PARS. Credits are generally reported during the first week of each month for those who claimed during the month prior.

Objectives - After Attending This Program You Should Be Able To

1. Recognize the features of hereditary gastrointestinal and other cancers associated with Lynch Syndrome.
2. Identify the features and mode of inheritance of Constitutional Mismatch Repair Deficiency (CMMRD).
3. Recognize the importance of universal MSI/IHC tumor screening on newly diagnosed colorectal and endometrial cancers.
4. Review EGAPP recommendations.
5. Identify the features distinguishing different hereditary polyposis syndromes.
6. Recognize the association between polyp histology and potential germline genetic predisposition to a polyposis syndrome.
7. Recognize the features of hereditary gastric cancers.
8. Recognize the features of hereditary pancreatic cancers.

Disclosure of Conflict of Interest

The following table of disclosure information is provided to learners and contains the relevant financial relationships that each individual in a position to control the content disclosed to Amedco. All of these relationships were treated as a conflict of interest, and have been resolved. (C7 SCS 6.1---6.2, 6.5)

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Michelle	Weaver Knowles	Myriad Genetics:Speakers Bureau,Ambry Genetics:Speakers Bureau,Merck :Speakers Bureau
Kaila	Wilson	NA
Elyssa	Zukin	NA

Enduring Materials Learner Notification

City of Hope- Department of Clinical Cancer Genomics

Cancer Genomics Training and Education for VA Providers – Bundle #7: Hereditary Genitourinary Cancer Syndromes

Date of CE Release: December 13, 2024

Date of CE Expiration: December 13, 2025

Location: Online

Acknowledgement of Financial Commercial Support

No financial commercial support was received for this educational activity.

Acknowledgement of In-Kind Commercial Support

No in-kind commercial support was received for this educational activity.

Satisfactory Completion

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Joint Accreditation Statement



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Amedco Joint Accreditation #4008163.

Professions in scope for this activity are listed below.

Physicians

Amedco LLC designates this live activity for a maximum of **3.50 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Pharmacists and Pharmacy Technicians

Amedco LLC designates this activity for a maximum of **3.50** knowledge-based CPE contact hours.

UAN: JA4008163-9999-24-262-H01-P / JA4008163-9999-24-262-H01-T

NOTE to Pharmacists: The only official Statement of Credit is the one you pull from CPE Monitor. You must request your certificate within 45 days of your participation in the activity to meet the deadline for submission to CPE Monitor. Credits are generally reported during the first week of each month for those who claimed during the month prior.

American Board of Surgery (ABS) MOC



Successful completion of this CME activity, which includes participation in the evaluation component, enables the learner to earn credit toward the **CME** requirements of the American Board of Surgery's Continuous Certification program. It is the CME activity provider's responsibility to submit learner completion information to ACCME for the purpose of granting ABS credit. Up to **3.50 CME for MOC** hours available.

You must request your certificate within 45 days of the activity to meet the deadline for submission to PARS. Credits are generally reported during the first week of each month for those who claimed during the month prior.

Objectives - After Attending This Program You Should Be Able To

1. Recognize inherited urologic disorders associated with kidney cancer.
2. Distinguish renal tumor pathologies associated with several inherited kidney cancer syndromes.
3. Identify appropriate kidney cancer patients for genetic counseling / testing.
4. Describe the genetic etiologies of hereditary prostate cancer.
5. Recognize features warranting genomic evaluation associated with prostate cancer.
6. Explain the methods and limitations of genetic analysis for hereditary prostate cancer.

Disclosure of Conflict of Interest

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Kaila	Wilson	NA
Elyssa	Zukin	NA

Enduring Materials Learner Notification

City of Hope- Department of Clinical Cancer Genomics

Cancer Genomics Training and Education for VA Providers – Bundle #8: Understanding and Interpreting Clonal Hematopoiesis; Hematologic Cancer Syndromes

Date of CE Release: December 13, 2024

Date of CE Expiration: December 13, 2025

Location: Online

Acknowledgement of Financial Commercial Support

No financial commercial support was received for this educational activity.

Acknowledgement of In-Kind Commercial Support

No in-kind commercial support was received for this educational activity.

Satisfactory Completion

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Joint Accreditation Statement



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Amedco Joint Accreditation #4008163.

Professions in scope for this activity are listed below.

Physicians

Amedco LLC designates this live activity for a maximum of **3.00 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Pharmacists and Pharmacy Technicians

Amedco LLC designates this activity for a maximum of **3.00** knowledge-based CPE contact hours.

UAN: JA4008163-9999-24-263-H01-P / JA4008163-9999-24-263-H01-T

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American Board of Surgery (ABS) MOC



Successful completion of this CME activity, which includes participation in the evaluation component, enables the learner to earn credit toward the **CME** requirements of the American Board of Surgery's Continuous Certification program. It is the CME activity provider's responsibility to submit learner completion information to ACCME for the purpose of granting ABS credit. Up to **3.00 CME for MOC** hours available.

You must request your certificate within 45 days of the activity to meet the deadline for submission to PARS. Credits are generally reported during the first week of each month for those who claimed during the month prior.

Objectives - After Attending This Program You Should Be Able To

1. Review the various possible mechanisms of both germline and somatic mosaicism.
2. Identify the various mechanisms that can be associated with an altered allelic fraction in a germline genetic test.
3. Discuss approaches to interpreting, further evaluating and following up on genetic test results reporting low allelic fractions.
4. Recognize the basics of hematologic malignancies.
5. Identify the currently known hereditary hematologic malignancy syndromes.
6. Distinguish the unique needs for genetic testing in the setting of hematologic malignancies.

Disclosure of Conflict of Interest

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Kaila	Wilson	NA
Elyssa	Zukin	NA

Enduring Materials Learner Notification

City of Hope- Department of Clinical Cancer Genomics

Cancer Genomics Training and Education for VA Providers – Bundle #9: Endocrine, Genodermatoses, Melanoma, Pediatric Cancer Syndromes

Date of CE Release: December 13, 2024

Date of CE Expiration: December 13, 2025

Location: Online

Acknowledgement of Financial Commercial Support

No financial commercial support was received for this educational activity.

Acknowledgement of In-Kind Commercial Support

No in-kind commercial support was received for this educational activity.

Satisfactory Completion

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Joint Accreditation Statement



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Amedco Joint Accreditation #4008163.

Professions in scope for this activity are listed below.

Physicians

Amedco LLC designates this live activity for a maximum of **2.00 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Pharmacists and Pharmacy Technicians

Amedco LLC designates this activity for a maximum of **2.00** knowledge-based CPE contact hours.

UAN: JA4008163-9999-24-264-H01-P / JA4008163-9999-24-264-H01-T

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American Board of Surgery (ABS) MOC



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You must request your certificate within 45 days of the activity to meet the deadline for submission to PARS. Credits are generally reported during the first week of each month for those who claimed during the month prior.

Objectives - After Attending This Program You Should Be Able To

1. Recognize clinical features of hereditary endocrine neoplasia syndromes Appreciate risks, benefits, and limitations of genetic testing.
2. Identify resources to inform risk management for individuals with hereditary endocrine neoplasias.
3. Define disease characteristics of hereditary syndromes classified as genodermatoses.
4. Identify the genes associated with hereditary syndromes that have cutaneous manifestations.
5. Recognize cancer risks associated with hereditary genodermatoses syndromes.
6. Identify characteristics of hereditary melanoma and when to consider genetic testing.

7. Recognize the genes associated with hereditary melanoma.
8. Discuss clinical characteristics associated with CDKN2A gene and management recommendations.

Disclosure of Conflict of Interest

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Kaila	Wilson	NA

Elyssa	Zukin	NA
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Enduring Materials Learner Notification

City of Hope- Department of Clinical Cancer Genomics

Cancer Genomics Training and Education for VA Providers – Bundle #10: Ethical, Legal and Social Implications; Psychosocial and

Date of CE Release: December 13, 2024

Date of CE Expiration: December 13, 2025

Location: Online

Acknowledgement of Financial Commercial Support

No financial commercial support was received for this educational activity.

Acknowledgement of In-Kind Commercial Support

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Amedco Joint Accreditation #4008163.

Professions in scope for this activity are listed below.

Physicians

Amedco LLC designates this live activity for a maximum of **1.25 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Pharmacists and Pharmacy Technicians

Amedco LLC designates this activity for a maximum of **1.25** knowledge-based CPE contact hours.

UAN: JA4008163-9999-24-265-H04-P / JA4008163-9999-24-265-H04-T

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American Board of Surgery (ABS) MOC



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Objectives - After Attending This Program You Should Be Able To

1. Recognize ethical, legal and social issues relevant to cancer genetics counseling and testing.
2. Apply bioethical principles to counseling challenges. Identify emerging legislation protecting against genetic discrimination.
3. Recognize the number of challenges in assessing hereditary predisposition to cancer in the Veteran Population, including military exposures.
4. Identify genetic counseling resources within the VA.
5. Familiarize with VA germline genetic testing resources through NPOP.

Disclosure of Conflict of Interest

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