

Hematology & Medical Oncology Practice Updates and Board Review Online Course

Activity Description

The Hematology & Medical Oncology Practice Updates and Board Review online course offers up-to-date, practical information in hematology and medical oncology for immediate clinical use. It also provides high-yield content to help prepare for the ABIM initial and maintenance certification exams in both specialties.

Target Audience

This activity is appropriate for Physicians and Resident Fellows

Learning Objectives

Upon conclusion of this activity, participants should be able to:

- Recognize evidence-based practices for managing patients with bleeding and/or clotting disorders.
- Identify appropriate molecular tests, such as next-generation sequencing, for cancer diagnosis.
- Recognize how to incorporate the most current cancer treatment options, such as immunotherapy or targeted therapy, into clinical practice.

Attendance at this Mayo Clinic course does not indicate nor guarantee competence or proficiency in the performance of any procedures which may be discussed or taught in this course.

Accreditation Statement



In support of improving patient care, Mayo Clinic College of Medicine and Science is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.

Credit Statement(s)

AMA

Mayo Clinic College of Medicine and Science designates this enduring material for a maximum of 28.00 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

American Board of Internal Medicine (ABIM)

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 28.00 MOC points in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.

ABS

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.

Other Healthcare Professionals

A record of attendance will be provided to all registrants for requesting credits in accordance with state nursing boards, specialty societies or other professional associations.

Disclosure Summary

As a provider accredited by Joint Accreditation for Interprofessional Continuing Education, Mayo Clinic College of Medicine and Science must ensure balance, independence, objectivity and scientific rigor in its educational activities. All who are in a position to control the content are required to disclose all financial relationships with any ineligible company. Faculty will also identify any off-label and/or investigational use of pharmaceuticals or instruments discussed in their content for FDA compliance.

Listed below are individuals with control of the content of this program who have disclosed...

Relevant financial relationship(s) with ineligible companies:

Name	Nature of Relationship	Company
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Pooja Advani	Board of Directors	alpha 2 pharmaceuticals
Pooja Advani	General Consulting	Breathe Biomedical
Pooja Advani	Honoraria	AstraZeneca Pharmaceuticals LP
Pooja Advani	Honoraria	Biovica International AB
Pooja Advani	Honoraria	CARIS
Pooja Advani	Honoraria	Epic Sciences
Pooja Advani	Honoraria	GE Healthcare
Pooja Advani	Honoraria	Hessian Labs Inc
Pooja Advani	Honoraria	iksuda therapeutics
Pooja Advani	Honoraria	Puma Biotechnology
Pooja Advani	Intellectual Property	Elephas Biosciences Corporation
Pooja Advani	Presentation CME	FLASCO
Pooja Advani	Presentation Non-CME (external audience)	GE Healthcare
Pooja Advani	Presentation Non-CME (external audience)	Menarini Stemline
Pooja Advani	Research Grant	AstraZeneca
Pooja Advani	Research Grant	Atossa therapeutics
Pooja Advani	Research Grant	Ayala Pharmaceuticals
Pooja Advani	Research Grant	Genentech
Pooja Advani	Research Grant	Gilead
Pooja Advani	Research Grant	Seagen
Pooja Advani	Stock Equity	Abbvie
Pooja Advani	Stock Equity	Adaptive biotechnologies
Pooja Advani	Stock Equity	alpha 2 pharmaceuticals
Pooja Advani	Stock Equity	nanosttring
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Stephen Ansell, Ph.D.	Honoraria	Bristol-Myers Squibb Company
Stephen Ansell, Ph.D.	Honoraria	Leidos Biomedical Research, Inc.
Stephen Ansell, Ph.D.	Honoraria	Molecular Partners AG
Stephen Ansell, Ph.D.	Honoraria	Pfizer, Inc.

Stephen Ansell, Ph.D.	Honoraria	Seattle Genetics, Inc.
Stephen Ansell, Ph.D.	Honoraria	Targeted Oncology
Stephen Ansell, Ph.D.	Intellectual Property	Applied Biological Materials, Inc. (ABM)
Stephen Ansell, Ph.D.	Intellectual Property	Casma Therapeutics, Inc.
Stephen Ansell, Ph.D.	Intellectual Property	Emmaus Life Sciences, Inc.
Stephen Ansell, Ph.D.	Intellectual Property	General Electric Medical Systems - Healthcare Business (GE)
Stephen Ansell, Ph.D.	Intellectual Property	Kymera Therapeutics, Inc.
Stephen Ansell, Ph.D.	Intellectual Property	Pharmacyclics, Inc. (an AbbVie Company)
Stephen Ansell, Ph.D.	Intellectual Property	X4 Pharmaceuticals (Austria) GmbH
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Kebede Begna	Honoraria	Novartis Pharmaceuticals Corporation
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Tanios Bekaii-Saab	Honoraria	Arcus Bioscience
Tanios Bekaii-Saab	Honoraria	Artiva
Tanios Bekaii-Saab	Honoraria	AstraZeneca Pharmaceuticals LP
Tanios Bekaii-Saab	Honoraria	Bayer Healthcare AG
Tanios Bekaii-Saab	Honoraria	Blueprint Medicines Corporation
Tanios Bekaii-Saab	Honoraria	Boehringer Ingelheim
Tanios Bekaii-Saab	Honoraria	BOLT Biotherapeutics
Tanios Bekaii-Saab	Honoraria	Boston Scientific Corporation
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Tanios Bekaii-Saab	Honoraria	Eisai, Inc.
Tanios Bekaii-Saab	Honoraria	Elevar Therapeutics
Tanios Bekaii-Saab	Honoraria	EMD Serono, Inc.
Tanios Bekaii-Saab	Honoraria	Exelixis Inc.
Tanios Bekaii-Saab	Honoraria	Exelixis Pharmaceuticals, Inc.
Tanios Bekaii-Saab	Honoraria	FibroGen
Tanios Bekaii-Saab	Honoraria	Fortress Biotech, Inc.
Tanios Bekaii-Saab	Honoraria	Foundation Medicine, Inc.
Tanios Bekaii-Saab	Honoraria	Genentech, Inc.
Tanios Bekaii-Saab	Honoraria	GlaxoSmithKline
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Tanios Bekaii-Saab	Honoraria	Merck & Co., Inc.
Tanios Bekaii-Saab	Honoraria	Merck Sharp & Dohme Corp.
Tanios Bekaii-Saab	Honoraria	Merus
Tanios Bekaii-Saab	Honoraria	Natera
Tanios Bekaii-Saab	Honoraria	Nested Rx
Tanios Bekaii-Saab	Honoraria	Numab
Tanios Bekaii-Saab	Honoraria	Ono Pharma USA, Inc.
Tanios Bekaii-Saab	Honoraria	Pfizer, Inc.
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Tanios Bekaii-Saab	Honoraria	Quintiles, Inc.
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Tanios Bekaii-Saab	Honoraria	Sanofi Genzyme
Tanios Bekaii-Saab	Honoraria	Sanofi US Services, Inc.
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Tanios Bekaii-Saab	Honoraria	Seattle Genetics, Inc.
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Tanios Bekaii-Saab	Honoraria	Takeda Pharmaceuticals, Inc.
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Tanios Bekaii-Saab	Honoraria	Tempus Labs
Tanios Bekaii-Saab	Honoraria	Transcenta
Tanios Bekaii-Saab	Honoraria	WCG
Tanios Bekaii-Saab	Honoraria	XILIO
Tanios Bekaii-Saab	Honoraria	Xilis
Tanios Bekaii-Saab	Honoraria	Zai Lab
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Mitesh Borad, M.D.	Honoraria	Cardinal Health, Inc.
Mitesh Borad, M.D.	Honoraria	Cedilla Therapeutics
Mitesh Borad, M.D.	Honoraria	Clinical education alliance
Mitesh Borad, M.D.	Honoraria	COGENT
Mitesh Borad, M.D.	Honoraria	Compass Therapeutics
Mitesh Borad, M.D.	Honoraria	Diffusion Pharmaceuticals

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Mitesh Borad, M.D.	Honoraria	Elevar Therapeutics
Mitesh Borad, M.D.	Honoraria	EMD Serono, Inc.
Mitesh Borad, M.D.	Honoraria	Exelixis Pharmaceuticals, Inc.
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Mitesh Borad, M.D.	Honoraria	Guardant Health, Inc.
Mitesh Borad, M.D.	Honoraria	Imugene, Ltd.
Mitesh Borad, M.D.	Honoraria	IMVAX
Mitesh Borad, M.D.	Honoraria	Jazz Pharmaceuticals
Mitesh Borad, M.D.	Honoraria	Kalivir Immunotherapeutics
Mitesh Borad, M.D.	Honoraria	Karkinos Health
Mitesh Borad, M.D.	Honoraria	Khora Therapeutics
Mitesh Borad, M.D.	Honoraria	Kriya Therapeutics
Mitesh Borad, M.D.	Honoraria	Merck & Co., Inc.
Mitesh Borad, M.D.	Honoraria	Moderna Therapeutics
Mitesh Borad, M.D.	Honoraria	Orum Therapeutics
Mitesh Borad, M.D.	Honoraria	Processa Pharmaceuticals
Mitesh Borad, M.D.	Honoraria	RayzeBio
Mitesh Borad, M.D.	Honoraria	Reignite Therapeutics
Mitesh Borad, M.D.	Honoraria	Revolution Medicines, Inc.
Mitesh Borad, M.D.	Honoraria	Senti Biosciences
Mitesh Borad, M.D.	Honoraria	Servier (US)
Mitesh Borad, M.D.	Honoraria	Servier Pharmaceuticals
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Mitesh Borad, M.D.	Honoraria	Tempus
Mitesh Borad, M.D.	Honoraria	Vionix
Mitesh Borad, M.D.	Honoraria	Zielbio
Mitesh Borad, M.D.	Honoraria	Zymeworks Inc
Mitesh Borad, M.D.	Intellectual Property	Translational Genomics Research Institute (TGen)
Mitesh Borad, M.D.	Intellectual Property	Vyriad Inc. (fka Magnis Therapeutics, LLC)
Mitesh Borad, M.D.	Stock Equity	Abeona
Mitesh Borad, M.D.	Stock Equity	ADC Therapeutics
Mitesh Borad, M.D.	Stock Equity	Bluebird Bio
Mitesh Borad, M.D.	Stock Equity	Homology
Mitesh Borad, M.D.	Stock Equity	Spectrum Pharmaceuticals
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Daniel Childs	Honoraria	IntrinsiQ Specialty Solutions
Daniel Childs	Honoraria	Janssen Biotech, Inc.

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Angela Dispenzieri, M.D.	Honoraria	Alexion Pharmaceuticals, Inc.
Angela Dispenzieri, M.D.	Honoraria	Eidos Therapeutics, Inc
Angela Dispenzieri, M.D.	Honoraria	Haemalogix
Angela Dispenzieri, M.D.	Honoraria	Janssen Biotech, Inc.
Angela Dispenzieri, M.D.	Honoraria	Janssen Research & Development, Johnson & Johnson
Angela Dispenzieri, M.D.	Honoraria	Regeneron Pharmaceuticals, Inc.
Angela Dispenzieri, M.D.	Honoraria	Sorrento Therapeutics, Inc.
Angela Dispenzieri, M.D.	Honoraria	The Binding Site Inc.
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Vinicius Ernani	Honoraria	BioAlta
Vinicius Ernani	Honoraria	Cardinal Health, Inc.
Vinicius Ernani	Honoraria	Daiichi Sankyo, Inc.
Vinicius Ernani	Honoraria	Jazz Pharmaceuticals
Vinicius Ernani	Honoraria	Nuvation Bio
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Morie Gertz, M.D.	Honoraria	Millennium Pharmaceuticals, Inc.
Morie Gertz, M.D.	Honoraria	Prothena Corporation plc
Morie Gertz, M.D.	Honoraria	Sanofi Genzyme
Morie Gertz, M.D.	Investigator Meeting	Prothena
Morie Gertz, M.D.	Presentation Non-CME (internal audience)	Janssen
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Thorvardur Halfdanarson, M.D.	Advisory Board	ITM Isotopen Technologien Muenchen
Thorvardur Halfdanarson, M.D.	Advisory Board	ScioScientific
Thorvardur Halfdanarson, M.D.	Advisory Board	Terumo
Thorvardur Halfdanarson, M.D.	Honoraria	Abdera Therapeutics

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Thorvardur Halfdanarson, M.D.	Honoraria	Advanced Accelerator Applications International SA
Thorvardur Halfdanarson, M.D.	Honoraria	BioPharm Communications
Thorvardur Halfdanarson, M.D.	Honoraria	Camurus
Thorvardur Halfdanarson, M.D.	Honoraria	Crinetics Pharmaceuticals, Inc.
Thorvardur Halfdanarson, M.D.	Honoraria	Curium US LLC
Thorvardur Halfdanarson, M.D.	Honoraria	ITM Solucin Gmbh
Thorvardur Halfdanarson, M.D.	Honoraria	TerSera Therapeutics, LLC
Thorvardur Halfdanarson, M.D.	Research Grant	Advanced Accelerator Applications
Thorvardur Halfdanarson, M.D.	Research Grant	Basilea
Thorvardur Halfdanarson, M.D.	Research Grant	Camurus
Thorvardur Halfdanarson, M.D.	Research Grant	Crinetics
Thorvardur Halfdanarson, M.D.	Research Grant	Thermo Fisher Scientific
Thorvardur Halfdanarson, M.D.	Research Grant	Turnstone Biologics
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Tina Hieken, M.D.	Research Grant	SkylineDx BV
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Roberto Leon-Ferre	General Consulting	Lyell Immunopharma
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Roberto Leon-Ferre	Honoraria	Lyell Immunopharma, Inc.
Roberto Leon-Ferre	Honoraria	Merck Sharp & Dohme Corp.
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Konstantinos Leventakos	Honoraria	AstraZeneca Pharmaceuticals LP
Konstantinos Leventakos	Honoraria	Daiichi Sankyo, Inc.
Konstantinos Leventakos	Honoraria	Nexus Global Group LLC
Konstantinos Leventakos	Honoraria	Novartis Pharma AG
Konstantinos Leventakos	Honoraria	Syneos Health
Konstantinos Leventakos	Intellectual Property	Haystack Health Company
Konstantinos Leventakos	Research Grant	AstraZeneca
Konstantinos Leventakos	Research Grant	Emerson Collective
Konstantinos Leventakos	Research Grant	Mirati Therapeutics
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Yi Lin, M.D.	Honoraria	BMS Global, Inc.
Yi Lin, M.D.	Honoraria	Caribou Biosciences
Yi Lin, M.D.	Honoraria	Fosun Kite Biotechnology
Yi Lin, M.D.	Honoraria	Genentech, Inc.

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Yi Lin, M.D.	Honoraria	Gilead Sciences, Inc.
Yi Lin, M.D.	Honoraria	HOFFMAN-LA ROCHE, LTD
Yi Lin, M.D.	Honoraria	IASO Biotherapeutics
Yi Lin, M.D.	Honoraria	Janssen Biotech, Inc.
Yi Lin, M.D.	Honoraria	Janssen Global Services, LLC
Yi Lin, M.D.	Honoraria	Janssen Pharmaceuticals, Inc.
Yi Lin, M.D.	Honoraria	Janssen Scientific Affairs, LLC
Yi Lin, M.D.	Honoraria	Kite Pharma, Inc.
Yi Lin, M.D.	Honoraria	Legend Biotech USA Inc
Yi Lin, M.D.	Honoraria	Multimedia Medical
Yi Lin, M.D.	Honoraria	Nektar Therapeutics
Yi Lin, M.D.	Honoraria	NexImmune
Yi Lin, M.D.	Honoraria	NTx Nature's Toolbox Inc
Yi Lin, M.D.	Honoraria	PER
Yi Lin, M.D.	Honoraria	Pfizer, Inc.
Yi Lin, M.D.	Honoraria	Poseida Therapeutics
Yi Lin, M.D.	Honoraria	Regeneron Pharmaceuticals, Inc.
Yi Lin, M.D.	Honoraria	Tessera Biotherapeutics
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Mark Litzow, M.D.	Honoraria	Amgen, Inc.
Mark Litzow, M.D.	Honoraria	BeiGene
Mark Litzow, M.D.	Honoraria	Celularity, Inc.
Mark Litzow, M.D.	Honoraria	Kite Pharma, Inc.
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Mark Litzow, M.D.	Honoraria	MJH Life Sciences
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Rami Manochakian	Honoraria	AstraZeneca Pharmaceuticals LP
Rami Manochakian	Honoraria	Bristol-Myers Squibb Company
Rami Manochakian	Honoraria	Cardinal Health, Inc.
Rami Manochakian	Honoraria	Daiichi Sankyo, Inc.
Rami Manochakian	Honoraria	Janssen Scientific Affairs, LLC
Rami Manochakian	Honoraria	Novocure Inc.
Rami Manochakian	Honoraria	Turning Point Therapeutics
Rami Manochakian	Honoraria	BMS Global, Inc.
Rami Manochakian	Honoraria	OncoHost
Robert McWilliams, M.D.	Advisory Board	NewLink Genetics
Robert McWilliams, M.D.	General Consulting	Zentalis Pharmaceuticals
Robert McWilliams, M.D.	Honoraria	Bristol-Myers Squibb Company
Grzegorz Nowakowski, M.D.	Honoraria	AbbVie Inc.

Grzegorz Nowakowski, M.D.	Honoraria	Acrotech Biopharma LLC
Grzegorz Nowakowski, M.D.	Honoraria	Adaptive Biotechnologies
Grzegorz Nowakowski, M.D.	Honoraria	ADC Therapeutics
Grzegorz Nowakowski, M.D.	Honoraria	Amgen, Inc.
Grzegorz Nowakowski, M.D.	Honoraria	BMS Global, Inc.
Grzegorz Nowakowski, M.D.	Honoraria	Clinical Care Options
Grzegorz Nowakowski, M.D.	Honoraria	Constellation Pharmaceuticals
Grzegorz Nowakowski, M.D.	Honoraria	F. Hoffmann-La Roche, Ltd
Grzegorz Nowakowski, M.D.	Honoraria	Fate Therapeutics
Grzegorz Nowakowski, M.D.	Honoraria	GenMab A/S
Grzegorz Nowakowski, M.D.	Honoraria	Geron Corporation
Grzegorz Nowakowski, M.D.	Honoraria	Incyte Corporation
Grzegorz Nowakowski, M.D.	Honoraria	Kite Pharma, Inc.
Grzegorz Nowakowski, M.D.	Honoraria	LectureLinx
Grzegorz Nowakowski, M.D.	Honoraria	MEI Pharma
Grzegorz Nowakowski, M.D.	Honoraria	Morphosys AG
Grzegorz Nowakowski, M.D.	Honoraria	Pfizer, Inc.
Grzegorz Nowakowski, M.D.	Honoraria	TG Therapeutics, Inc
Lance Pagliaro	Honoraria	Merck Sharp & Dohme Corp.
Lance Pagliaro	Research Grant	Astellas
Kaushal Parikh	Honoraria	AstraZeneca Pharmaceuticals LP
Kaushal Parikh	Honoraria	Jazz Pharmaceuticals
Kaushal Parikh	Honoraria	Merck Sharp & Dohme Corp.
Kaushal Parikh	Honoraria	Regeneron Pharmaceuticals, Inc.
Sameer Parikh, M.B.B.S.	Honoraria	AbbVie Inc.
Sameer Parikh, M.B.B.S.	Honoraria	Amgen, Inc.
Sameer Parikh, M.B.B.S.	Honoraria	Aptitude Health, LLC
Sameer Parikh, M.B.B.S.	Honoraria	Ascentage Parma
Sameer Parikh, M.B.B.S.	Honoraria	AstraZeneca Pharmaceuticals LP
Sameer Parikh, M.B.B.S.	Honoraria	BeiGene
Sameer Parikh, M.B.B.S.	Honoraria	Bio Ascend
Sameer Parikh, M.B.B.S.	Honoraria	Curio Science LLC
Sameer Parikh, M.B.B.S.	Honoraria	Eli Lilly and Company
Sameer Parikh, M.B.B.S.	Honoraria	Genentech, Inc.
Sameer Parikh, M.B.B.S.	Honoraria	Innate Pharma
Sameer Parikh, M.B.B.S.	Honoraria	Janssen Global Services, LLC
Sameer Parikh, M.B.B.S.	Honoraria	Janssen Pharmaceuticals, Inc.
Sameer Parikh, M.B.B.S.	Honoraria	Kite Pharma, Inc.
Sameer Parikh, M.B.B.S.	Honoraria	Merck & Co., Inc.
Sameer Parikh, M.B.B.S.	Honoraria	MingSight Pharmaceuticals

Sameer Parikh, M.B.B.S.	Honoraria	Novalgen Limited
Sameer Parikh, M.B.B.S.	Honoraria	Pharmacyclics
Sameer Parikh, M.B.B.S.	Honoraria	Targeted Oncology
Sameer Parikh, M.B.B.S.	Honoraria	TG Therapeutics, Inc
Sameer Parikh, M.B.B.S.	Honoraria	Engage Health Media
Sameer Parikh, M.B.B.S.	Honoraria	SOHO Saudi Arabia
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Mrinal Patnaik, M.B.B.S.	Honoraria	CTI Biopharma
Mrinal Patnaik, M.B.B.S.	Investigator Meeting	Kura Oncology
Katharine Price, M.D.	Honoraria	PDS Biotechnology
Katharine Price, M.D.	Intellectual Property	Insitu Biologics Inc.
Rajiv Pruthi, M.B.B.S.	Honoraria	BioMarin Pharmaceuticals, Inc.
Rajiv Pruthi, M.B.B.S.	Honoraria	Sanofi-Aventis US, LLC.
Rajiv Pruthi, M.B.B.S.	Honoraria	Takeda Pharmaceutical Company Limited
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Rajiv Pruthi, M.B.B.S.	Stock Equity	Abbvie
Rajiv Pruthi, M.B.B.S.	Stock Equity	Becton Dickinson
Rajiv Pruthi, M.B.B.S.	Stock Equity	BNTX
Rajiv Pruthi, M.B.B.S.	Stock Equity	Crisper
Rajiv Pruthi, M.B.B.S.	Stock Equity	Embecta
Rajiv Pruthi, M.B.B.S.	Stock Equity	Illumina
Rajiv Pruthi, M.B.B.S.	Stock Equity	Moderna
Steven Robinson, M.B.B.S.	Honoraria	Aadi Bioscience
Steven Robinson, M.B.B.S.	Honoraria	COGENT
Steven Robinson, M.B.B.S.	Honoraria	HMP Global
Kathryn Ruddy	Honoraria	Amplity Health
Surbhi Shah	Honoraria	Argenx US Inc
Surbhi Shah	Honoraria	Sanofi Genzyme
Surbhi Shah	Stock Equity	B9Heme
Parminder Singh, M.D.	Honoraria	Baker Tilly Virchow Krause, LLP
Parminder Singh, M.D.	Honoraria	Aveo Pharmaceuticals
Parminder Singh, M.D.	Honoraria	BMS Global, Inc.
Parminder Singh, M.D.	Honoraria	Gilead Sciences, Inc.
Parminder Singh, M.D.	Honoraria	Seagen Inc.
Parminder Singh, M.D.	Honoraria	Targeted Oncology
Parminder Singh, M.D.	Presentation Non-CME (external audience)	target oncology
Mohamad Bassam Sonbol	Honoraria	Boehringer Ingelheim Pharmaceuticals, Inc.
Mohamad Bassam Sonbol	Honoraria	Novartis

Meera Sridharan	Honoraria	Kira Pharmaceuticals
Meera Sridharan	Honoraria	Sanofi Genzyme
Ayalew Tefferi, M.D.	Honoraria	Bio-Reference Laboratories, Inc. (BRLI)
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Andrea Wahner Hendrickson, M.D.	Honoraria	Oxcia AB
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References to off-label and/or investigational usage(s) of pharmaceuticals or instruments in their presentation:

Name	Manufacturer/Provider	Product/Device/Medication
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Angela Dispenzieri, M.D.	BMS	lenalidomide/pomalidomide
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