





PVAC - POLIO ADVANCED COURSE IN VACCINOLOGY

26 – 30 OCTOBER 2025 DOHA, QATAR

Course Program

1. General objectives

The Polio Advanced Course in Vaccinology (PVAC) is designed to support critical decision-making in the global effort to eradicate polio. It equips low to mid-career health professionals with a comprehensive understanding of vaccinology and its application to polio eradication—covering immunology, epidemiology, regulatory frameworks, vaccine development, immunization strategies, program implementation, and the broader socio-political, ethical, financial and communication dimensions of eradication efforts.

Through a blend of evidence-based adult learning methodologies, scientific updates, real-world case studies, discussion of existing challenges and success, and access to an alumni network, PVAC intends to maximize both learning outcomes and long-term impact.

By the end of the course, participants should be able to:

- Apply global best practices and technical strategies in Polio surveillance, case detection, outbreak response, and eradication efforts, with a focus on tailoring approaches to local epidemiological and health system contexts.
- 2) Demonstrate competence in emergency preparedness and response by designing and managing Polio-specific interventions, including program planning, resource mobilization, financial oversight, and supply chain logistics.
- 3) Critically evaluate approaches to Polio eradication and integrate innovative, forward-looking strategies that address emerging threats, including geopolitical instability, misinformation, and climate-related disruptions.
- **4) Analyze and apply lessons learned** from historical and contemporary Polio eradication efforts to strengthen national and regional program sustainability, policy development, and health workforce training.
- **5) Use scenario-based planning tools** to address complex emergencies involving Polio reemergence in conflict zones, humanitarian settings, and post-disaster scenarios.
- **6) Engage with global Polio eradication stakeholders** (including GPEI partners) to incorporate the latest scientific evidence, policy recommendations, and strategic frameworks into national plans and practices.







- 7) Integrate risk communication and community engagement principles into Polio eradication activities to enhance public trust, improve vaccine uptake, and respond effectively to vaccine hesitancy or misinformation.
- 8) Join a pool of polio experts PVAC Alumni Network to provide ongoing technical support to countries in need of support for surveillance, preparedness, and response.

With its 360° approach to vaccinology, PVAC bridges scientific knowledge and public health implementation, guiding participants through the complex process of translating epidemiological evidence into effective surveillance, immunization, and response strategies.

PVAC fosters cross-disciplinary understanding, expanding participants' expertise beyond their immediate field, encouraging global thinking, and introducing new technologies and approaches. This well-rounded education equips them with the leadership and technical skills necessary for impactful contributions to polio eradication.

Finally, PVAC offers a unique platform for professional exchange and networking, enabling participants to build lasting connections and collaboratively address challenges in the field. By learning from and with professionals across diverse backgrounds and institutions, PVAC alumni are well-positioned to support and advance the global polio eradication initiative at both the scientific and operational levels.

2. Course format

PVAC is structured as an intensive 5-day, in-person program, tailored for English-speaking low to mid-career health professionals from Africa and Asia.

Designed to be practical, dynamic, and highly interactive, the course combines scientific rigor with applied learning. Participants will engage in a variety of formats to ensure adequate understanding, real-world application, and valuable networking opportunities. Course components include:

- **Lectures:** Each lecture consists of a 25-minute expert presentation followed by a 20-minute discussion. Supplementary materials, including extended readings and recorded content, may be provided for those wishing to deepen their understanding of specific topics.
- Interactive Working Groups: Participants will be divided into small groups (4 to 6, depending on total attendance), each group will be guided by an expert facilitator. These sessions are designed to apply theoretical knowledge through case studies, scenario-based simulations, and practical exercises. Working group durations will range from 45 minutes to 90 minutes, depending on the topic and complexity of the activity.
- Expert Panels: Panels will feature 3 to 4 leading experts who will explore key issues through focused moderated talk (15–30 minutes), followed by an open discussion with participants.
- **Special Talk:** The course will include a special inspirational or thematic talk from a guest speaker.
- **Daily Wrap-Up and Q&A:** To reinforce learning and facilitate dialogue, each day will conclude with a collective 15–20-minute Q&A session involving all lecturers and facilitators, allowing participants to revisit and clarify key concepts as necessary.
- Networking and Social Events: Social events will be scheduled throughout the course to foster peer learning, build cross-regional connections, and support the formation of a strong PVAC alumni network.







3. 2025 Faculty

Speakers and facilitators:

- · Ahmet Afşar UNICEF, Kenya
- Ana Maria Guzman Gates Foundation, USA
- Andrea Thompson Gates Foundation, Canada
- Chris Wolf Gates Foundation, USA
- Clancy Rudeforth Centre for Humanitarian Dialogue, Switzerland
- David Heymann London School of Hygiene and Tropical medicine, UK
- Deo Nshimirimana Independent Health Consultant, Burundi
- Diana Maddah Qatar university, Qatar
- Edwin Asturias Children's Hospital Colorado, USA
- Farhan Cyprian Qatar University, Qatar
- · Fiona Braka World Health Organization, Ghana
- Giridhara Rathnaiah Babu Qatar University, Qatar (PVAC Course Director)
- · Hadi Mohamad Yassine Qatar University, Qatar
- Hamad Eid H A Al-Romaihi Qatar MOH, Qatar
- Hanan Abdul Rahim Qatar University, Qatar
- Hebah Atef Mohammad Al-Khatib Qatar University, Qatar
- Hemant Shukla World Health Organization, Jordan
- Habib Hasan Faroogui Qatar University, Qatar
- Isobel Blake Imperial College, UK
- Jamal Ahmed World Health Organization, Switzerland
- Jawahir Habib Unicef, Switzerland
- Jeevan Kumar Makam UNICEF HQ New York, USA
- Kamel Senouci University of Geneva, Switzerland (PVAC Course Director)
- Magda Robert Gates Foundation, USA
- Modjirom Ndoutabe World Health Organization, Republic of Congo
- Naureen Nagvi -UNICEF, Afghanistan
- Ondrej Mach World Health Organization, Switzerland
- Ouseph Tharakan Centre for Humanitarian Dialogue, Switzerland
- Rose Gana Fomban Leke University of Yaounde, Cameroon
- Simmi Sharma World Health Organization, Switzerland
- · Suchita Guntakatta Gates Foundation, USA
- Tandakha Ndiaye Dieye UCAD, Senegal
- Valère De Riedmatten Centre for Humanitarian Dialogue, Switzerland
- Ziad Memish King Salman Humanitarian Aid & Relief Center, Saudi Arabia

Special quest speakers:

- Samina Fatima Hasnain Hasan Syed Immunization specialist, PHCC, Qatar
- Mohammad Janahi Division Chief Pediatric infectious diseases, Sidra / Chair of National Certification Committee, Qatar
- Abdullatif Al-Khal- Hamad Medical Corporation, Qatar
- Younis Awadallah UNICEF Retiree, Palestine







4. Overall program

		POLIO: HISTORY, CLINIC, VIROLOGY, IMMUNO				
7:40 –	Topic	Objectives	Lecturer/facilitators			
8:00	Bus from hotel to Qatar Univ	versity Law campus				
08:00 - 8:30	- Registration					
08:30 - 09:15	Opening: course's objectives	 Giridhara Rathnaiah Babu - Qatar University, Qatar Kamel Senouci - University of Geneva, Switzerland 				
	Lecture 1: History of Polio and it's eradication					
09:40 - 10:00	Discussion	-				
10:00-	Lecture 2: Epidemiology of WPV and cVDPVs	 Provide an overview of the Global burden, incidence rates, and geographical distribution of Polio (WPV & cVDPVs). Explain how vaccines have supported the eradication strategy for both WPV and cVDPVs. Describe the epi impact of using various vaccines on the epidemiology (e.g. tOPV/bOPV switch). 	Ondrej Mach - World Health Organization, Switzerland			
10:25 - 10:45	Discussion	-				
10:45 - 11:10	coffee break					
11:10 -	Lecture 3: Virology of Polio and enteroviruses	 Describe the structure and classification of poliovirus and related enteroviruses. Explain the genetic characteristics, pathogenesis, and diagnostic features of these viruses. Provide some information on sequencing. Illustrate key differences between poliovirus and other enteroviruses from a virological standpoint. 	Hadi Mohamad Yassine - Qatar University, Qatar			
11:35	Discussion	-				
-11:55 11:55 - 12:20	Lecture 4: Clinical manifestations of polio and enterovirus infections	 Describe the transmission modes, symptomatology and disease progression of poliovirus infections. Explain the spectrum of clinical presentations (ratios) and outcomes, including paralytic and non-paralytic forms. Describe the treatment and post-infection care. Describe the impact on quality of life. 	and			
12:20 -12:40	Discussion	-				
12:40 -14:00	Lunch					
14:00 -14:25	 Explain the natural immune response to poliovirus a enteroviruses. Compare innate and adaptive immune responses in context of polio infection and vaccination. Describe how acquired immunity informs vaccine st and protection. Briefly describe the challenges for vulnerable person (including immunocompromised and Immunodeficiencies). 		Ondrej Mach - World Health Organization, Switzerland			







14:25 -14:50	Lecture 6: Polio vaccines	 Describe different types of existing polio vaccines (IPV and OPVs) regarding composition, mechanism, and use. Present and explain immunization schedules. Explain their roles in routine immunization, outbreak response, and eradication campaigns. Explain types, efficacy, safety, production challenges for future vaccines (nOPV, particle non-infectious vaccines etc.). Describe Polio Vaccination for vulnerable persons (including immunocompromised and Immunodeficiencies) 	Ondrej Mach - World Health Organization, Switzerland
14:50 -15:10	Discussion for both topics above	-	Ondrej Mach - World Health Organization, Switzerland
15:10 -15:55	Working group session 1: Interpretating lab results (Part 1)	Explain how laboratories analyze samples and how to interpret laboratory data to identify viruses and poliovirus presence and type. Explain the development and interpretation of dendrograms to assess genetic relationships between	Group 1 and 2: Reading polio virus dendrograms: - Hebah Atef Mohammad AlKhatib - Qatar University, Qatar - Farhan Cyprian - Qatar University, Qatar Group 3 and 4: Polio samples, diagnostic and lab - Isobel Blake - Imperial College, UK - Hadi Mohamad Yassine - Qatar University, Qatar
15:55 -16:20	coffee break		
16:20 - 17:05	Working group session 1: Interpretating lab results (Part 2)	Explain how laboratories analyze samples and how to interpret laboratory data to identify viruses and poliovirus presence and type. Explain the development and interpretation of dendrograms to assess genetic relationships between	Group 1 and 2: Reading polio virus dendrograms: - Hebah Atef Mohammad AlKhatib - Qatar University, Qatar - Farhan Cyprian - Qatar University, Qatar Group 3 and 4: Polio samples, diagnostic and lab - Isobel Blake - Imperial College, UK - Hadi Mohamad Yassine - Qatar University, Qatar
	Interactive session 1: Q & A with lecturers Day 1		All speakers/ facilitators/ panelist present during the day
10.25	Self-presentation of participants (background, interests in life)		Participants
18:40 – 19:00	Bus from Qatar University La	aw campus to hotel	
19:00 - 21:00	Welcome reception	Le Meridien city center	







	October 27 - DA	Y 2 – POLIO OUTBREAK: FROM DETECTI	ON TO RESPONSE	
Timings	Topic	Objectives	Lecturer/facilitators	
7:40 – 8:00	Bus from hotel to Qatar Univ	versity Law campus		
08:00 - 8:30	Registration			
08:30 - 08:45	Daily introduction		Course Directors	
09:10	Lecture 7: GPEI SOPs: surveillance, detection, notification and investigation	 Explain the key components of polio surveillance, including Acute Flaccid Paralysis (AFP) surveillance and environmental surveillance (ES). Discuss the differential diagnosis of AFP (e.g. Guillain-Barré Syndrome, Malnutrition). Discuss other Paralysis viruses (e.g. EV71, EV68). Describe the role of immunodeficiency-associated vaccine-derived poliovirus (iVDPV) in surveillance and investigation. 	Giridhara Rathnaiah Babu - Qatar University, Qatar	
09:10 - 09:30	Discussion	-		
09:55	Lecture 8: GPEI SOPs: risk assessment and response	 Describe how to conduct a risk assessment for a potential or confirmed poliovirus outbreak. Explain the development and components of an effective Outbreak Response Plan (ORP). Illustrate the use of microplanning in tailoring response activities at the local level. 	Hemant Shukla - World Health Organization, Jordan	
09:55 - 10:15	Discussion	-		
10:15 - 10:40	coffee break			
11:05	Lecture 9: GPEI SOPs: Polio vaccines logistics	 Describe key aspects of vaccine distribution and storage, including temperature-sensitive logistics (OPV vs IPV). Explain the process and importance of reverse logistics, including the handling of nOPV2 vials, stool samples, and other materials. Evaluate protocols for managing biohazards and medical waste during polio response campaigns 	Ahmet Afşar - Unicef, Kenya	
11:05 - 11:25	Discussion	-		
	Working group session 2: Preparing a risk assessment and a response plan	 Apply GPEI frameworks to develop a practical risk assessment based on a simulated outbreak scenario (POSE - Polio Outbreak Simulation Exercise) Apply GPEI frameworks to design a tailored response plan incorporating microplanning, surveillance findings, and risk prioritization. Apply GPEI frameworks to critically evaluate realworld case studies to identify strengths and gaps in response plans. 	 Hemant Shukla - World Health Organization, Jordan Jeevan Kumar Makam - UNICEF HQ New York, USA Deo Nshimirimana - Independent Health Consultant, Burundi Modjirom Ndoutabe - World Health Organization, Republic of Congo 	
12:55 -14:00	Lunch			
14:00 -14:25	Lecture 10: GPEI SOPs: budget, financing, HR for the response	Outline the recommended structure and key components of an outbreak response budget. Explain the process of financial planning, including digital payment systems (e-payments). Describe strategies for human resource surge planning, including recruitment, training, and deployment.	Simmi Sharma - World Health Organization, Switzerland	
14:25 -14:45	Discussion	-	 Simmi Sharma - World Health Organization, Switzerland Jawahir Habib - UNICEF, Switzerland 	
	Working group session 3: Preparing the budget and the HR surge for the response	 Develop a detailed outbreak response budget using sample data and SOP recommendations. Plan a human resource surge strategy, assigning roles and timelines for effective deployment. Evaluate potential financial and HR bottlenecks in outbreak response scenarios. 	 Simmi Sharma - World Health Organization, Switzerland Jawahir Habib - UNICEF, Switzerland Modjirom Ndoutabe - World Health Organization, Republic of Congo Hemant Shukla - World Health Organization, Jordan 	







15:45 -16:10	coffee break			
16:10 -16:35	Lecture 11: Monitoring and evaluation of the quality of the response	Describe the types of data used to monitor preparedness. Describe response quality indicators (definition, collection, limitations etc.) and their role in continuous improvement. Introduce the concept and implementation of Outbreak Response Assessments (OBRAs) for feedback and accountability.	Modjirom Ndoutabe - World Health Organization, Republic of Congo	
16:35 -16:55	Discussion	-		
17:00	Working group session 4: Outbreak response campaigns: management, monitoring & evaluation	 Simulate the coordination of a response campaign, including implementation monitoring tools. Use data to assess campaign effectiveness and identify areas for rapid improvement. Use response quality indicators to improve immunization rounds. Interpret OBRA results and propose corrective actions to strengthen surveillance and possible future responses. 	 Hemant Shukla - World Health Organization, Jordan Jeevan Kumar Makam - UNICEF HQ New York, USA Deo Nshimirimana - Independent Health Consultant, Burundi Modjirom Ndoutabe - World Health Organization, Republic of Congo 	
	Interactive session 2: Q & A with lecturers Day 2	-	All speakers/ facilitators/ panelist present during the day	
18:45 -19:00	Student time			
19:00 – 19:20	Bus from Qatar University Law campus to Qasr Al Yasmeen			
19:30 -21:00	Social - Diner Location: Qasr Al Yasmeen			







October 28 - DAY 3 - STRATEGIC AND SOCIAL DIMENSIONS OF POLIO OUTBREAK RESPONSE

Timings	Topic Objectives		Lecturer/facilitators		
7:40 – 8:00	Bus from hotel to Qatar University Law campus				
08:00 - 8:30	Registration				
08:30 -08:45	Daily introduction		Course Director		
08:45 -09:10	Lecture 12: Lessons learned: determinants and challenges of a Polio outbreak response	 Present a real country case to identify the key determinants of successful outbreak response. Present challenges encountered during outbreak response and the solutions used to address them. 	- Giridhara Rathnaiah Babu - Qatar University, Qatar (moderator) - One Participant will be identified		
09:10 -9:30	Discussion	-	on a volunteer basis on day one after the self-presentations		
	Lecture 13: Engagement of communities and individuals in Polio surveillance and response (including addressing vaccine hesitancy)	 Explain the role of Social and Behavior Change Communication (SBCC) in building vaccine confidence and uptake. Describe the impact of gender dynamics in polio surveillance and polio response (including the roles of women, caregivers & frontline health workers) Identify culturally sensitive approaches to improve acceptance in different socio-cultural settings / different countries. 	Naureen Naqvi - UNICEF, Afghanistan		
9:55 -10:15	Discussion	-			
10:15 -10:45	coffee break				
10:45- 11:45	Working group session 5: Engaging communities and individuals	 Apply GPEI guidelines to develop strategies to address vaccine hesitancy through culturally tailored SBCC activities. Apply GPEI guidelines to design a community engagement plan based on a contextual case scenario, integrating gender-sensitive approaches. Simulate outreach messaging and feedback mechanisms for building community trust. 	 Naureen Naqvi -UNICEF, Afghanistan Ndoutabe Modjirom - World Health Organization, Republic of Congo Ana Maria Guzman - Gates Foundation, USA Diana Maddah - Qatar university, Qatar 		
-12:10	Lecture 14: Polio surveillance and response in insecure areas and conflict settings	 Identify the operational and logistical challenges of polio surveillance and response in conflict-affected or inaccessible areas. Discuss adaptive strategies to ensure vaccine delivery, surveillance, and communication in fragile environments. Explore coordination mechanisms with humanitarian and local security partners to maintain access. 	Fiona Braka-World Health Organization, Ghana		
12:10 -12:30	Discussion	-			
12:30 -12:45	Working group session 6: Polio surveillance and response in insecure areas and conflict settings - introduction	Presentation of Centre for Humanitarian Dialogue and their mission and introduction to Working group session 6 - participants will then brake into groups after the break	- Clancy Rudeforth - Centre for Humanitarian Dialogue, Switzerland		
12:45 - 14:00	Lunch				
14:00	Working group session 6: Polio surveillance and response in insecure areas and conflict settings	 Apply risk-based planning to develop a response strategy for a conflict or insecurity-affected region. Simulate decision-making and coordination under field constraints (access, safety, mobility, trust). Learn how to identify key partners and tools that can support response continuity in insecure zones. 	 Clancy Rudeforth - Centre for Humanitarian Dialogue, Switzerland Ouseph Tharakan - Centre for Humanitarian Dialogue, Switzerland Valère De Riedmatten - Centre for Humanitarian Dialogue, Switzerland Ana Maria Guzman - Gates Foundation, USA Fiona Braka-World Health Organization, Ghana 		







			- Andrea Thompson - Gates Foundation, Canada
	PANEL 1 - Qatar polio stakeholders		- Hanan Abdul Rahim - Qatar University, Qatar (moderator)
15:55 -16:20	Panel 1 -Discussion	•Discuss Qatar's support to outbreak preparedness, surveillance, cross-border collaboration, and emergency response.	 Mohammad Janahi - Division Chief Pediatric infectious diseases, Sidra / Chair of National Certification Committee, Qatar Samina Fatima Hasnain Hasan Syed, Immunization specialist, PHCC, Qatar Hamad Eid H A Al-Romaihi - Qatar MOH, Qatar Abdullatif Al-Khal, Hamad Medical Corporation, Qatar
16:20 -16:40	coffee break		
	Interactive session 3: Q & A with lecturers Day 3	-	All speakers/ facilitators/ panelist present during the day
17:00- 17:50			
17:50 -19:30	Special social and cultural event		
19:30	Bus transfer to hotel - Free evening (no dinner)		



polio at the country levels





October 29 - DAY 4 - POLIO ERADICATION, SUSTAINABILITY & INNOVATION PRESENT AND **FUTURE STRATEGY** Timings Topic **Objectives** Lecturer/facilitators 7:40 -Bus from hotel to Qatar University Law campus 8:00 08:00 Registration 8:30 08:30 Daily introduction Course Director -08:45 Describe the structure, roles, and partnerships within the GPEI, including the functions of the World Health Organization Strategic Advisory Group of Experts on Immunization (SAGE). Present the role of accountability and governance in Lecture 15: The Global 08:45 Polio Eradication Initiative driving progress toward eradication including the functions -09:10 Suchita Guntakatta - Gates (GPEI) of the GPEI Independent Monitoring Board (IMB), and the Foundation, USA Polio Eradication Certification Committees (Global, Regional and National). Summarize how responsibilities, funding mechanisms, and global coordination are managed under GPEI. 09:10 Discussion -09:30 · Explain the strategic goals and operational pillars of the current GPEI strategy. Present the status of implementation to date, including 09:30 Lecture 16: The 2022-2026 achievements and setbacks. Present the strategy's alignment with broader global health Suchita Guntakatta - Gates -09:55 GPEI strategy Foundation, USA priorities and contextual challenges. Present GPEI possible future strategy options 09:55 Discussion -10:15 Describe how routine immunization contributes to polio eradication. Lecture 17: Routine Discuss the integration of other public health interventions 10:15 immunization, integration, within polio programs to improve overall health impact (and -10:40 Chris Wolf - Gates Foundation, and polio transition vice versa). USA Explain the concept of polio transition and how assets and infrastructure can be sustained or repurposed. 10:40 Discussion -11:00 11:00 coffee break 11:25 Explain the rationale and principles of poliovirus containment · Describe the global containment framework and national responsibilities. 11:25 Lecture 18: Polio David Heymann - London School -11:50 containment Present risks associated with containment breaches and of Hygiene and Tropical medicine, required mitigation strategies. UK Briefly describe the challenges for vulnerable persons (including immunocompromised and Immunodeficiencies). 11:50 Discussion -12:10 12:15 Lunch 13:30 Present key drivers and barriers to securing political Lecture 19: Political commitment for polio eradication. 13:30 engagement and resource Explain challenges in mobilizing financial, human, and mobilization at global, technical resources across levels. -13:55 Magda Robert - Gates regional and country levels Discuss and present strategies to strengthen advocacy Foundation, USA and sustain support in low-priority or transitioning countries 13:55-Discussion 14:15 Working group session 7: Learn how to develop a stakeholder mapping and Hanan Abdul Rahim - Qatar University, Qatar 14:15 Political engagement and advocacy strategy to engage political leaders and donors. Design a country-level resource mobilization plan Magda Robert - Gates -15:15 resource mobilization for

incorporating public and private sector contributions.

Foundation, USA







		Simulate a high-level policy dialogue to secure commitment and funding for national polio efforts.	 Deo Nshimirimana - Independent Health Consultant, Burundi Jamal Ahmed - World Health Organization, Switzerland Habib Hasan Farooqui - Qatar University, Qatar 		
15:15 -15:40	Lecture 20: Innovations in Polio	 Present cutting-edge tools and approaches enhancing polio prevention, surveillance, and response (e.g. GIS, artificial intelligence, rapid diagnostics). Explain the impact and feasibility of integrating innovations into existing public health infrastructure. Present gaps in innovation uptake and proposed strategies to overcome barriers. 	Edwin Asturias - Children's Hospital Colorado, USA		
15:40- 16:00	discussion	_			
16:00 -16:30	coffee break				
16:30 -17:30	PANEL 2 - Polio eradication: is it time to rethink our eradication objective?	 Engage in a critical discussion on the feasibility and sustainability of achieving global polio eradication. Compare eradication with long-term control strategies and implications for public health priorities. 	 Kamel Senouci - University of Geneva, Switzerland (Moderator) Rose Gana Fomban Leke - University of Yaounde, Cameroon David Heymann - London School of Hygiene and Tropical Medicine, UK Jamal Ahmed - World Health Organization, Switzerland Ziad Memish - King Salman Humanitarian Aid & Relief Center, Saudi Arabia 		
	Interactive session 4: Q & A with lecturers Day 4	-	All speakers/ facilitators/ panelist present during the day		
17.45	Bus from Qatar University to	hotel	, J,		
18:15	Time for students				
19:00- 19h20	Bus from hotel to Gala Diner				
10:30	Cala dinner Lecation: The Postqurant Chadi Katara				
21:30- 21:50	Bus from Gala Diner to hote				







October 30 - DAY 5 - ETHICS, COMMUNICATION & HUMAN STORIES IN POLIO ERADICATION Timings **Topic Objectives** Lecturer/facilitators 7:40 -Bus from hotel to Qatar University Law campus 8:00 08:00 Registration 8:30 08:30 Course Director Daily introduction -08:45 Outline ethical challenges related to vaccine access. affordability, and funding mechanisms. Present the ethical arguments for and against mandatory immunization laws and policies. Outline professional ethics in cases where patients refuse immunization, including dismissal policies. 08:45 Lecture 21: Ethics and Giridhara Rathnaiah Babu - Explain the ethical obligation to report Adverse Events -09:20 Polio Qatar University, Qatar Following Immunization (AEFIs) and provide transparent Magda Robert - Gates communication to patients and families. Foundation, USA Present broader ethical issues including use of OPV. Polio programmatic impact on health systems, and prevention of sexual exploitation, abuse and harassment (SEAH) in immunization campaigns. 09:20 Discussion -09:40 Learn how to develop key messages for use during vaccine-related crises (e.g. AEFIs, outbreaks, hesitancy incidents). Simulate a press conference or media interview Giridhara Rathnaiah Babu responding to a real-time polio-related event. 09:50 Working group session 8: Qatar University, Qatar Learn how to apply principles of transparency, empathy, Kamel Senouci - University of -10:55 crisis communication and trust-building in communicating with affected Geneva, Switzerland communities, healthcare workers, and media. Evaluate real-world examples of successful and unsuccessful crisis communication in immunization contexts. 10:55 coffee break 11:20 Learn how to develop key messages for use during vaccine-related crises (e.g. AEFIs, outbreaks, hesitancy incidents). Simulate a press conference or media interview Giridhara Rathnaiah Babu -Working group session 8: responding to a real-time polio-related event. Qatar University, Qatar 11:20 crisis communication -Learn how to apply principles of transparency, empathy, Kamel Senouci - University of 12:40 continued and trust-building in communicating with affected Geneva. Switzerland communities, healthcare workers, and media. Evaluate real-world examples of successful and unsuccessful crisis communication in immunization contexts. 12:40 -Lunch 14:00 14:00 -Inspirational talk Inspirational talk 14:25 Younis Awadallah - UNICEF 14:25 -Retiree, Palestine Questions/discussion 14:35 Interactive session 5: Q & A 14:35 All speakers/ facilitators/ panelist with lecturers Day 5 present during the day -14:50 14:50 -Evaluation of the course 15:30 15:30 -Diploma ceremony 16:45 16:45 coffee break 17:15 17:15 Closing







		PVAC - POLIO AD	VANCED COURSE IN VACCI	NOLOGY - QATAR		
	Sunday October 26	Monday October 27	Tuesday October 28	Wednesday October 29	Thursday October 30	
06:30	Breakfast at hotel	Breakfast at hotel	Breakfast at hotel	Breakfast at hotel	Breakfast at hotel	06:30
07:40	Transport from hotel to QU campus	Transport from hotel to QU campus	Transport from hotel to QU campus	Transport from hotel to QU campus	Transport from hotel to QU campus	07:40
08:00 08:15	Registration	Registration	Registration	Registration	Registration	08:00 08:15
08:30	Onenings equipole chicatives	Daily introduction	Daily introduction	Daily introduction	Daily introduction	08:30
08:45 09:00 09:15	Opening: course's objectives, program, evaluation & logistic	GPEI SOPs: surveillance, detection, notification and investigation	Lessons learned: determinants and challenges of a Polio outbreak response	The Global Polio Eradication Initiative (GPEI)	Ethics and Polio	08:45 09:00 09:15
09:30 09:45 10:00	History of Polio and it's eradication	GPEI SOPs: risk assessment and response	Engagement of communities and individuals in Polio surveillance and response (including addressing vaccine hesitancy)	The 2022-2026 GPEI strategy		09:30 09:45 10:00
10:15	Epidemiology of WPV and cVDPVs	Coffee break	.,		Working group session 8: crisis	10:15
10:30		Control Broam	Coffee break	Routine immunization, integration, and polio transition	communication	10:30
10:45 11:00	Coffee break	GPEI SOPs: Polio vaccines logistics	Working group 5: Engaging			10:45 11:00
11:15	Virgings of Dalia and antoroximuses		Working group 5: Engaging communities and individuals	Coffee break	Coffee break	11:15
11:30	Virology of Polio and enteroviruses			-		11:30
11:45 12:00		Working group session 2:	Polio surveillance and response in	Polio containment	Working group session 8: crisis	11:45 12:00
12:15	Clinical manifestations of Polio and enterovirus infections	Preparing a risk assessment and a response plan	insecure areas and conflict settings		communication	12:15
12:30	enterovirus infections		Working group session 6 - introduction			12:30
12:45			inti oducion	Lunch		12:45
13:00					Lunch	13:00
13:15 13:30	Lunch	Lunch	Lunch	D. III.		13:15 13:30
13:45				Political engagement and resource mobilization at global, regional and		13:45
14:00	Immunology	GPEI SOPs: budget, financing, HR		country levels	Inspirational talk	14:00
14:15 14:30	Polio vaccines	for the response	Working group session 6: Polio Working group session 7:	Working group session 7: Political engagement and resource mobilization for polio at the country levels	mspirational talk	14:15 14:30
14:45	Immunology and Polio vaccines -		insecure areas and conflict resource mobilization for polio at		Daily Q & A	14:45
15:00	Discussion	Working group session 3: Preparing the budget and the HR	settings the country levels		Course evaluation	15:00
15:15 15:30	Working group session 1: Interpretating lab results (Part 1)	surge for the response	Innovations in Polio		15:15 15:30	
15:45	miorprotesting has recented (r art 1)		PANEL 1 - Qatar Polio	IIIIOVALIOIIS III POIIO		15:45
16:00	Coffee break	Coffee break	stakeholders	Coffee break	Diploma ceremony	16:00
16:15		Monitoring and evaluation of the	Coffee break	Conce break		16:15
16:30 16:45	Working group session 1 : Interpretating lab results (Part 2)	quality of the response	Daily Q & A	PANEL 2 - Polio eradication: is it		16:30 16:45
17:00				time to rethink our eradication objective?	Coffee break	17:00
17:15	Daily Q & A	Working group session 4:	17h00 - transfer to hotel for bag drop (15 minutes) of and to Souq	-	Closing	17:15
17:30 17:45	0.15	Outbreak response campaigns: management, monitoring &	Waqif	Daily Q & A		17:30 17:45
18:00	Self-presentation of participants	evaluation		17h45- tranfert to hotels		18:00
18:15						18:15
18:30	401.40	Daily Q & A	Special Social and Cultural Event	Student time		18:30
18:45	18h40 - transfer to hotel and welcome reception	Student time				18:45
19:15		18h45 - transfer to restaurant		19h00 - transfer to Gala Dinner		19:15
19:30			19h30 - transfer to hotel Gala Dinner at Cheddi I			19:30
19:45 20:00	Welcome Reception at Le			Gala Dinner at Cheddi Katara		19:45 20:00
20:15						20:15
20:30						20:30
20:45			3 g g			20:15
21:00						20:30
21:30	21h - transfer to hotel	21h - transfer to hotel		21h30 - transfer to hotel		20:30

Lecture + discussion
Working group
Panel
Special presentation
Social events and meals
Student time
Bus transfers