

**“Innovative Blood Transfusion Strategies for
Blood Deserts in Low- and Middle-Income Countries”**

Harvard Radcliffe Exploratory Seminar

April 6th and 7th, Cambridge, USA

Supported by the Harvard Radcliffe Institute and

The Gillian M. Reny Stepping Strong Center for Trauma Innovation.

<https://sites.harvard.edu/innovative-blood-transfusion-strategies/>

<https://tinyurl.com/BloodDesertAgenda>

Zoom Links for Virtual Participants:

- [Day 1](#)
- [Day 2](#)

Required Reading Prior to Seminar (<https://sites.harvard.edu/innovative-blood-transfusion-strategies/resources/>):

-  Autotransfusion Whitepaper | Final
-  Drone Blood Delivery Whitepaper | Final
-  Walking Blood Bank Whitepaper | Final

Presentations for Seminar:

-  IAT Presentation | Final
-  DBD Presentation | Final
-  WBB Presentation | Final

Working Groups and Participants (<https://sites.harvard.edu/innovative-blood-transfusion-strategies/people/>)

Case Scenarios:  CaseScenarios.pptx

	CWBB	IAT	DBD
Virtual		Vijay Anand Ismavel Shimian Zou Dilys Walker <i>Claude Tayou-Tagny</i>	Yetmgeta Abdella Gatare Swaibu
Boston	Carolyn Wesonga Joy Mammen Linda Barnes Andre Cap Gilchrist Lokoel	Juan Carlos Puyana Asma Awadh Zara Cooper	Lucy Asamoah Akuoko Meghan Delaney Nobhojit Roy Marie Paul Nisingiswe

Organizing and Research Team

	General	CWBB	IAT	DBD
Virtual		Priyansh Nathani Sidra Inam Marisa Del Signore	Kennedy Jensen	Neil Thivalapill
Boston	Nakul Raykar Vanitha Raguveer	Shreenik Kundu	Aulina Chowdhury	Sargun Virk

Thursday, April 6th (Day 1): Defining Blood Deserts and Identifying Barriers

Introductions and Welcome	<i>Nakul Raykar</i>	8:00a-8:25a	Introductions Seminar Objectives Case scenarios
Defining Blood Deserts	<i>Nakul Raykar and Vanitha Raguveer</i>	8:25a-10:00a	Perspectives (25 min): - Patient perspective (Caroline Wesonga) (5 min) - Provider and Administrator perspective (Gilchrist Lokoel) (5 min) - Health systems/policy perspective (Yetmgeta Abdella) (5 min) - Additional comments (10 min) Discussion (60 min):  <i>Worksheets</i> - How do we define a blood desert from the local perspective? - How should we designate a blood desert at the level of a health system? - What metrics should be involved? e.g. availability, unavailability, met/unmet need, met/unmet demand Wrap-Up (5 mins)
<i>Break</i>		10:00a-10:15a	
Intraoperative Autotransfusion Devices	<i>Asma Awadh, Vijay Anand Ismavel, Claude Tayou-Tagny, Dilys Walker Shimian Zou, Juan Carlos Puyana</i> <i>Moderator: Juan Carlos Puyana</i>	10:15a-12:00p	Strategy Overview (40 min) - Working group findings (Vanitha Raguveer) (5 min) - Hemafuse (Asma Awadh) (10 min) - Vijay Anand Ismavel's device (Vijay Anand Ismavel) (10 min) - Panelist Experiences and Comments (15 min) - Claude Tayou-Tagny, Dilys Walker, Shimian Zou, Juan Carlos Puyana Defining Barriers and Facilitators (60 minutes)  <i>Worksheets</i> - From the local perspective, what are barriers/facilitators? - From the perspective of the health system, what are barriers/facilitators? Wrap-Up (5 mins)
<i>Lunch Break</i>		12:00p-12:45p	Radcliffe Welcome (Don)
Drone-based Blood Delivery	<i>Yetmgeta Abdella Lucy Asamoah Akuoko Gatare Swaibu Meghan Delaney Nobhojit Roy Marie Paul Nisingiswe</i> <i>Moderator: Meghan Delaney</i>	12:45p-2:30p	Strategy Overview (40 min) - Working group findings (Vanitha) (10 min) - Drone Experience in Ghana (Lucy) (7 min) - Drone Experience in Rwanda (Marie Paul) (7 min) - Panelists Experiences and comments (15 min) - Yetmgeta, Gatare, Meghan, Roy Defining Barriers and Facilitators (60 minutes)  <i>Worksheets</i> - From the local perspective, what are barriers and facilitators? - From the health system perspective, what are barriers and facilitators? Wrap-Up (5 mins)
<i>Break</i>		2:30p-2:45p	
Community Walking Blood Banks	<i>Carolynne Wesonga Joy Mammen Linda Barnes Andre Cap Gilchrist Lokoel</i> <i>Moderator: Linda Barnes</i>	2:45p-4:30p	Strategy Overview (40 min) - Working group findings (Vanitha) (10 min) - The Stepping Strong Experience (Linda) (7 min) - Angola Experience with HemaPak (Linda) (5 min) - Panelist Experiences and Comments (15 min) - Carolynne Wesonga, Joy Mammen, Linda Barnes, Andre Cap, Gilchrist Lokoel Defining Barriers and Facilitators (60 minutes)  <i>Worksheets</i> - From the local perspective, what are barriers/facilitators? - From the perspective of the health system, what are barriers/facilitators? Wrap-Up (5 mins)
Wrap Up		4:30p-4:45p	Prep for Day 2
Dinner		5:30-7:30p	Harvard Faculty Club, Cambridge MA

Friday, April 7th (Day 2): Defining Priorities from Barriers

Defining Research and Policy Priorities Part I: Defining Blood Deserts and IAT	<i>Virtual Discussion Leads: Claude Tayou Tagny (Defining Blood Deserts) and Vijay Anand Ismavel (IAT)</i>	8:00a-10:00a	For each barrier identified, what are next steps for research (study question, design, collaborators, funder) or policy (which policies need to be generated or changed, and by whom)? <i>Refer to Defining Priorities Worksheet, Page 2 of this document:</i> Worksheet
<i>Break</i>		10:00a-10:15a	
Defining Research and Policy Priorities: CWBB and DBD	<i>Virtual Discussion Leads: Shimian Zou (CWBB) and Yetmgeta Abdella (DBD)</i>	10:15a-12:15p	For each barrier identified, what are next steps for research (study question, design, collaborators, funder) or policy (which policies need to be generated or changed, and by whom)? <i>Refer to Defining Priorities Worksheet, Page 2 of this document:</i> Worksheet
<i>Lunch</i>		12:15p-1:00p	
Next Steps for Action and Dissemination, Wrap up	<i>Nakul Raykar and Vanitha Raguveer</i>	1:00p-2:15p	Timeline for consensus statement/proceedings Followup actions and meetings
<i>End</i>			

(Optional) Harvard Campus and Cambridge Walking Tour	<i>Shreenik Kundu and Program in Global Surgery and Social Change Fellows</i>	5:00p-6:30p	A walking tour of the Harvard Campus and Cambridge, MA
Dinner	<i>Hosted by the Harvard Program in Global Surgery and Social Change</i>	6:30p	Tenderoni's Pizza, Fenway, Boston, MA