Innovations in Maternal Health Supplies: Update on Promising Maternal Health Technologies and where they may Fit in the Agenda

Laura J. Frye
Maternal Health Caucus Meeting
Wednesday, October 12, 2016
Different Technologies Across Indications

Pre-eclampsia/Eclampsia Technologies
  - Congo Red Dot
  - Springfusor

Postpartum Hemorrhage Technologies
  - Misoprostol
  - Tranexamic Acid
  - Uterine Balloon Tamponade

Pregnancy Failure/Abortion Technologies
  - Mifepristone
  - Misoprostol
  - Multi-Level Pregnancy Test

Some of these technologies are already incorporated into supplies work.
Some exciting developments on the horizon.
Some neglected.
Potential of Technologies

Pre-eclampsia/Eclampsia Technologies
- Congo Red Dot: Low-cost, paper-based urine test for diagnosis
- Springfusor: Low-cost, less labor intensive treatment

Postpartum Hemorrhage Technologies
- Misoprostol: Low-cost, widely available, multiple indications
- Tranexamic Acid: Oral formulation as adjunct to misoprostol
- Uterine Balloon Tamponade: Intermediary step when uterotonics fail, before surgery

Pregnancy Failure/Abortion Technologies
- Mifepristone
- Misoprostol
- Multi-Level Pregnancy Test: Simple urine hCG test useful for multiple indications
- Well-established safe and effective protocols
Challenges

Pre-eclampsia/Eclampsia Technologies
- Congo Red Dot
- Springfusor
  - Research Ongoing
  - Affordable products will be needed

Postpartum Hemorrhage Technologies
- Misoprostol
  - Product quality
  - Non-evidence based use
  - Stigmatized
- Tranexamic Acid
  - Need to see if oral formulation works
- Uterine Balloon Tamponade
  - Insufficient data on safety and efficacy

Pregnancy Failure/Abortion Technologies
- Mifepristone
  - Limited availability
  - Limited donor support
  - Stigmatized
- Misoprostol
- Multi-Level Pregnancy Test
  - Affordable products will be needed
Where they fit

Pre-eclampsia/Eclampsia Technologies
- Congo Red Dot
- Springfusor

Postpartum Hemorrhage Technologies
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- Uterine Balloon Tamponade

Pregnancy Failure/Abortion Technologies
- Mifepristone
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Included in NURHT
Included in UNCLSC
Included in NURHT
Newcomers
Newcomers
Innovation Fund
#RHSUPPLIES2016
Stay Tuned for new evidence

Pre-eclampsia/Eclampsia Technologies
- Congo Red Dot (CRD)
- Springfusor

Postpartum Hemorrhage Technologies
- Misoprostol
- Tranexamic Acid
- Uterine Balloon Tamponade

Pregnancy Failure/Abortion Technologies
- Mifepristone
- Misoprostol
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Trials on CRD and Springfusor underway

Trial on oral TXA formulation underway

Evaluation of UBT effectiveness, feasibility, acceptability, and safety

Ongoing operations research on miso for PAC and mife/miso for abortion, missed ab and intrauterine fetal death

Ongoing research on use of MLPT in service delivery

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Thank you

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