

New and innovative technologies for non-systemic contraceptives and STI barrier prophylactics

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New and innovative technologies

- Products - public procurement vs. branded commercial markets
- Materials – Safety, performance, alternate sources
- Production technologies
- Packaging materials
- Regulatory compliance
- Environment friendly approaches

New and innovative technologies

Products

MALE CONDOMS:

- Ease of donning – patch condoms, skin layer condoms
- Materials – blending of polymers and Natural rubber latex, PLA gel polymers films
- Use of Low protein latex
- Use of accelerators other than thiazole derivatives
- Liquid vulcanising agents
- Low temperature vulcanizing and drying agents

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Products

FEMALE CONDOMS:

- Stick condoms – retention devices
- Expansion gels

New and innovative technologies

Products

IUDs:

- Smaller IUDs - long term vs short term
- Controlled release copper IUDs

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Products

Other products:

- Spermicidal and biocidal foams, pessaries, gels (nonhormonal)
- Sperm immobilization
- Alteration to vaginal mucosa for change in implantation
- Ovulation/Fertility tracking markers- saliva electrolyte detection
- Fertility tracking Apps

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Lubricants:

- Alternatives to Silicone fluid
- Hydrogels

Packaging materials and formats:

Alternative to aluminum

Sealant layers gels – other than plastics

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Technology:

- Film formation – deposition techniques
- Elimination/ simplification of Electronic testing- Pin hole free condoms

New and innovative technologies

Thank you