

# Gastroschisis Interventional Study



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# Multi-Centre Clinical Interventional Study

**7 hospitals:**

Ghana, Zambia, Malawi, Tanzania

**Aim:**

Reduce mortality in neonates  
born with gastroschisis



**Protocol publication:** <https://wellcomeopenresearch.org/articles/4-46>

# Developing the Interventional Bundle

PaedSurg Africa Study data

Systematic review

Qualitative study

Delphi process

Interventional bundle

Local co-design workshops - ensure context appropriate  
- involved full MDT

# Interventional Bundle

## 1) Gastroschisis protocol for referring hospitals



# Interventional Bundle

## 2) Gastroschisis protocol at the tertiary centre

Early resuscitation, cotside reduction & closure, nutrition





Cotside silo application  
Reduction over ~ 5 days



Cotside sutureless closure

Dressing stays on for  
10-days

Breastfeeding established  
~ 1 week



Wound at 10-days  
following closure



Wound at 15-days  
following closure/  
at discharge



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Wound 10-days  
following discharge  
(25-days after closure)



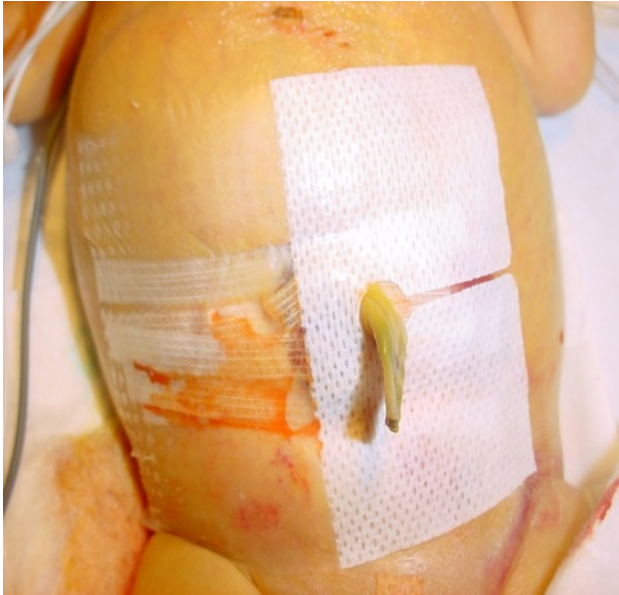
With honey applied,  
2-days later







3.5 months old



Alternative – cord out if baby systemically well & defect edges can be opposed

Results in quicker healing

Increases mortality in those with sepsis or oxygen requirement

Thank you for listening & participating  
Any comments or questions?



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