The role of **UtiS**

Now and the future
No disclosures
When is an US indicated?
Afebrile UTI in a girl
Afebrile UTI in a boy
Recurrent afebrile UTI
First febrile UTI
Recurrent febrile UTI
Refractory febrile UTI
pyelo
(Congenital) anomalies
Reflux
Complications
Why do we get ultrasounds after a UTI anyway?
(Congenital) anomalies
Reflux
• Not a good predictor of reflux – Nelson paper 2014
Does not even predict reflux in the setting of hydronephrosis.

Lee 2006
Complications
Lobar nephronia mimicking tumor
Congenital anomalies
Reflux
Complications
The future of US is Functional Imaging
Superb Microvascular Imaging™
Sara O’Hara
Superb Microvascular Imaging™

Sara O’Hara

Reversed flow

Normal jet

Swirl sign
US contrast agents

- **Optison™**
  GE
- **Lumason™**
  Bracco
- **Definity**
  Lantheus Medical
Cortical phase  
Parenchymal early phase  
Parenchymal late phase

FOCAL PYELONEPHRITIS

ABSCESS

Fontanilla 2012
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Thank You