

# *ORAL CONTRAST IN TRAUMA CT*



Experiences from a level 2 trauma  
center

By Laura Aronescu MD, Folke Hammarqvist MD PhD, Olle  
Bernell MD PhD, Bertil Leidner MD

## *TRAUMA CT AT KAROLINSKA UNIVERSITY HOSPITAL, HUDDINGE*



- Standard examination in multitrauma patients
- 2004 Gastrografin 3% (amidotrizoinacid) was introduced as oral contrast (200-400 ml)
- No delay for the CT examination



*M&M*

- The patients subjected to trauma CT 2005 (n=129)
- The number that received per oral contrast
- The duration of time from contrast administration to exam start
- The length of the opacified gut
- Pathological findings in the abdomen

## *RESULTS*

- Only 49% received contrast in the ER
- Mean time 30+/-17 min
- 56% of those had contrast below the iliac crest



## *PATHOLOGY*

- Enteric injury 6,3% in the contrast group (3,9% in total, 1,5% in the non-contrast group)
- Other intraabdominell injuries 14,2% in the contrast group (10% in total, 6% in the non-contrast group)

## *CONCLUSION*

- Administration routine must be improved
- Satisfying opacification of the gut
- No noted adverse effects