

day -1

Identification of eligible patients:

- Patients scheduled for intra-arterial angiography/angioplasty
- Estimated glomerular filtration rate (MDRD) $< 70 \text{ ml / min / } 1,73 \text{ m}^2$
- Ability to provide informed consent

Laboratory values:

Baseline creatinine, complete blood count, etc., and urinary NGAL



Standardized pre-interventional i.v. hydration:

3-5 ml / kg BW / h 0.9 % saline i.v. for 3 hours



day 0

Intra-arterial angiography / angioplasty:

Laboratory values: urinary NGAL 4-6 hours following CM application



urinary NGAL normal



urinary NGAL elevated



Unrestricted oral fluid intake



Randomization



3-4 ml / kg BW / h
0.9% saline i.v. for
6 hours



days +1,+2

Laboratory values: Creatinine, complete blood count, etc.