187 patients were assessed for eligibility

- 65 out of regular operating hours
- 6 expected survival < 6 months
- 7 patients did not provide consent
- 2 pathological fractures
- 2 hemodialysis
- 3 technical problems
- 2 multiresistant bacterial infection prohibiting to start the monitoring in the preoperative area

100 patients underwent randomization

- 50 patients assigned to routine fluid treatment
- 50 patients assigned to GDHT
  - 1 patient included twice

50 patients were included in the intention-to-treat analysis
49 patients were included in the intention-to-treat analysis

Figure 1