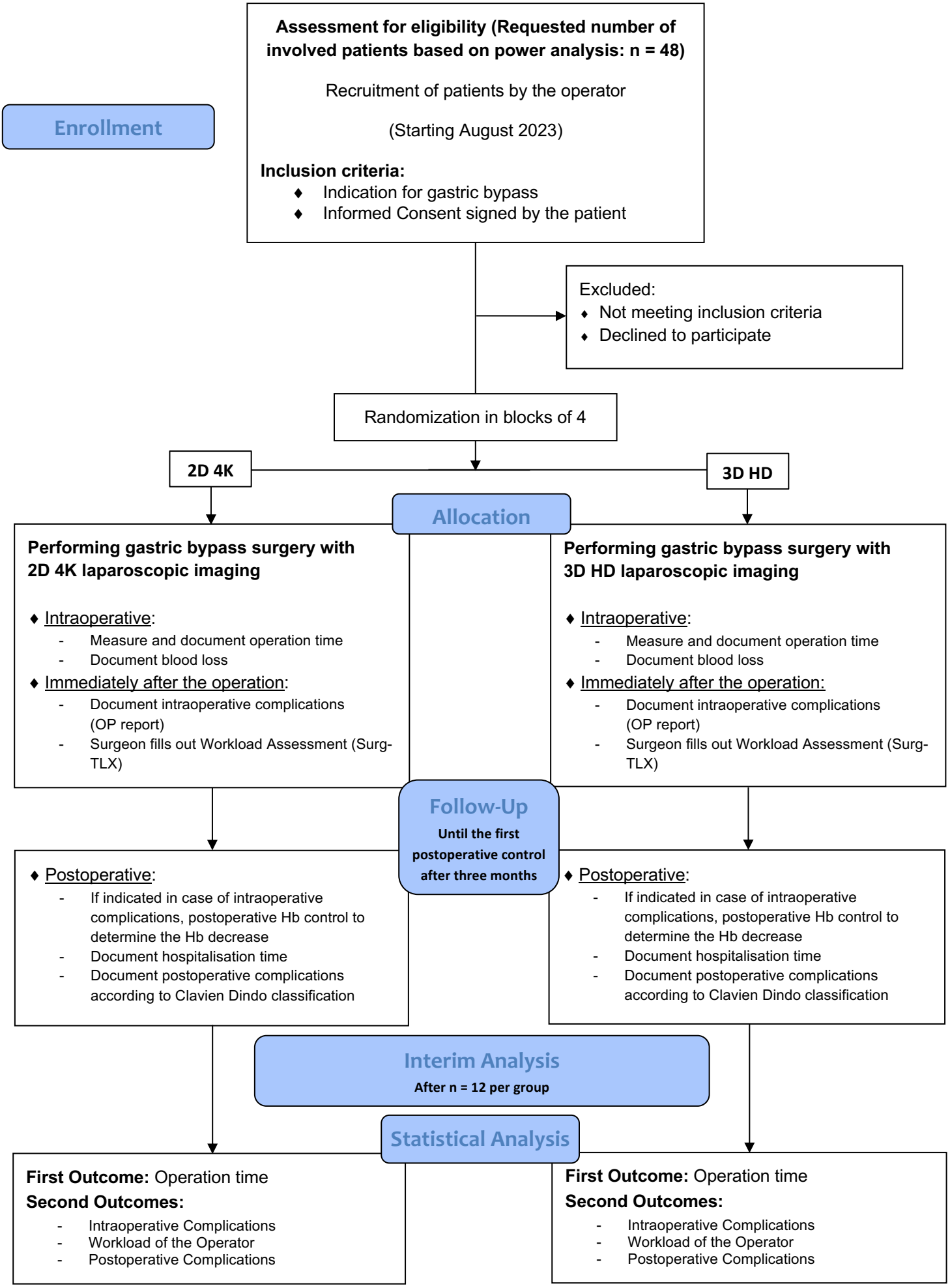
Enrollment
Assessment for eligibility (Requested number of involved patients based on power analysis: n = 48)
Recruitment of patients by the operator
(Starting August 2023)
Inclusion criteria:
Indication for gastric bypass
Informed Consent signed by the patient
Excluded:
Not meeting inclusion criteria
Declined to participate
Randomization in blocks of 4
2D 4K
3D HD
Allocation
Performing gastric bypass surgery with 2D 4K laparoscopic imaging
Intraoperative:
Measure and document operation time
Document blood loss
Immediately after the operation:
Document intraoperative complications (OP report)
Surgeon fills out Workload Assessment (Surg-TLX)
Performing gastric bypass surgery with 3D HD laparoscopic imaging
Intraoperative:
Measure and document operation time
Document blood loss
Immediately after the operation:
Document intraoperative complications (OP report)
Surgeon fills out Workload Assessment (Surg-TLX)
Follow-Up
Until the first postoperative control after three months
Postoperative:
If indicated in case of intraoperative complications, postoperative Hb control to determine the Hb decrease
Document hospitalisation time
Document postoperative complications according to Clavien Dindo classification
Postoperative:
If indicated in case of intraoperative complications, postoperative Hb control to determine the Hb decrease
Document hospitalisation time
Document postoperative complications according to Clavien Dindo classification
Interim Analysis
After n = 12 per group
Statistical Analysis
First Outcome: Operation time
Second Outcomes:
Intraoperative Complications
Workload of the Operator
Postoperative Complications
First Outcome: Operation time
Second Outcomes:
Intraoperative Complications
Workload of the Operator
Postoperative Complications