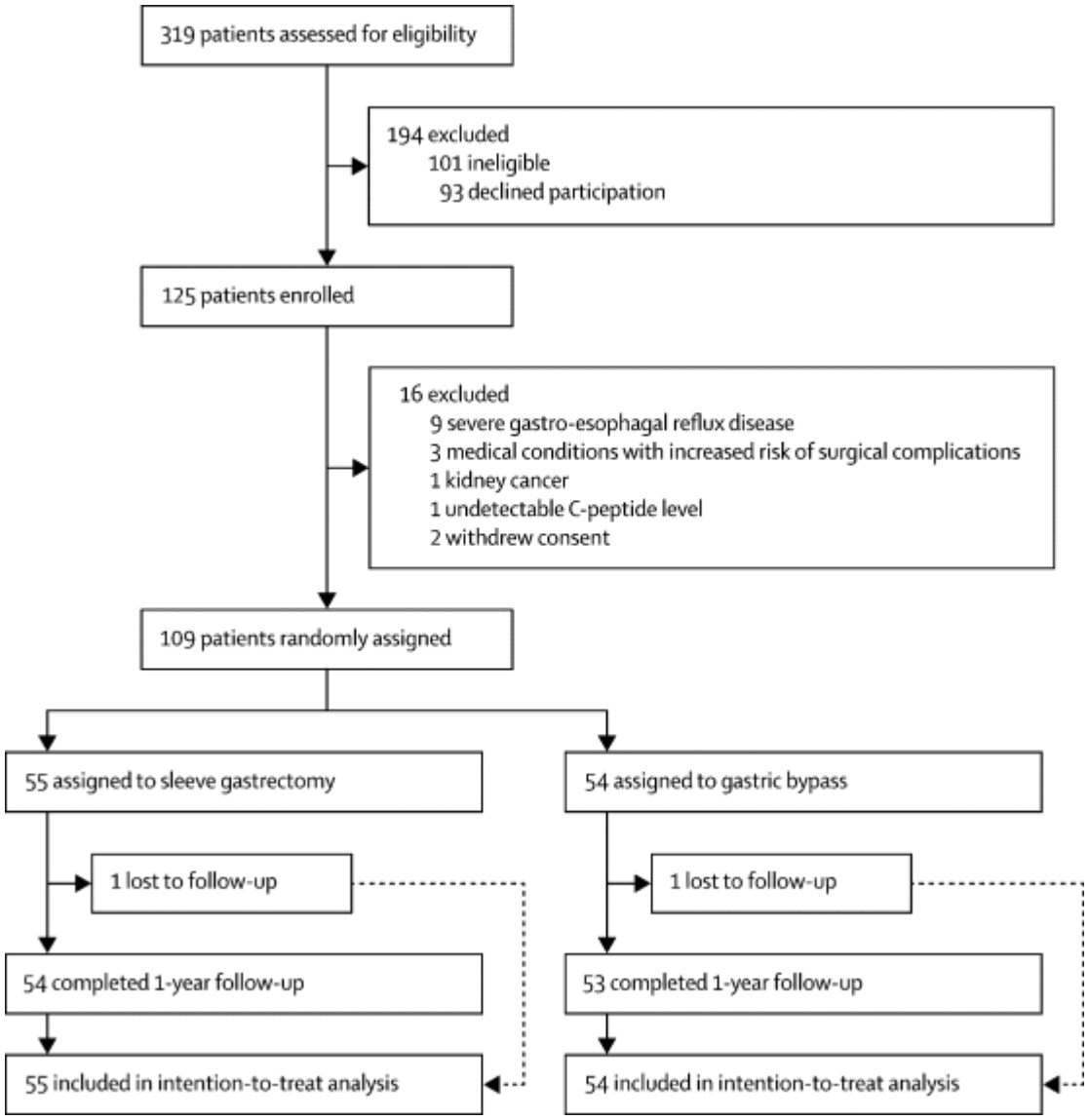
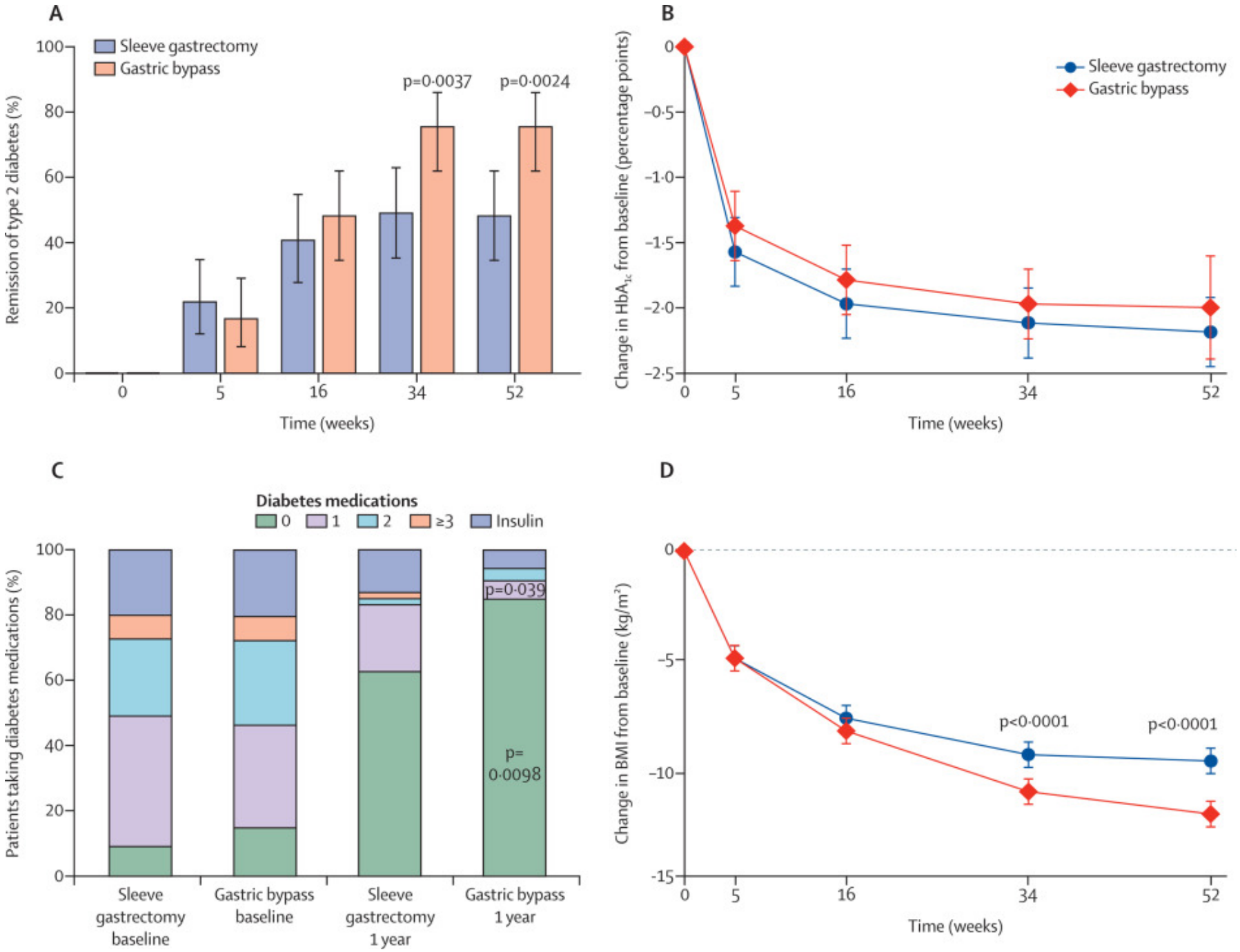

319 patients assessed for eligibility
194 excluded
101 ineligible
93 declined participation
125 patients enrolled
16 excluded
9 severe gastro-esophagal reflux disease
3 medical conditions with increased risk of surgical complications
1 kidney cancer
1 undetectable C-peptide level
2 withdrew consent
109 patients randomly assigned
55 assigned to sleeve gastrectomy
54 assigned to gastric bypass
1 lost to follow-up
1 lost to follow-up
54 completed 1-year follow-up
53 completed 1-year follow-up
55 included in intention-to-treat analysis
54 included in intention-to-treat analysis


A
Sleeve gastrectomy
Gastric bypass
p=0·0037
p=0·0024
Remission of type 2 diabetes (%)
100
80
60
40
20
0
0
5
16
34
52
Time (weeks)
B
Sleeve gastrectomy
Gastric bypass
Change in HbA1c from baseline (percentage points)
0
−0·5
−1·0
−1·5
−2·0
−2·5
0
5
16
34
52
Time (weeks)
C
Diabetes medications
0
1
2
≥3
Insulin
Patients taking diabetes medications (%)
100
80
60
40
20
0
p=0·039
p=
0·0098
Sleeve gastrectomy baseline
Gastric bypass baseline
Sleeve gastrectomy 1 year
Gastric bypass 1 year
D
Change in BMI from baseline (kg/m²)
0
−5
−10
−15
p<0·0001
p<0·0001
0
5
16
34
52
Time (weeks)