

CHARACTERISTICS AND DIABETES REMISSION AFTER LAPAROSCOPIC SLEEVE GASTRECTOMY IN DIABETIC PATIENTS STRATIFIED BY BODY MASS INDEX

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A Japanese hospital study of 24 diabetic patients undergoing laparoscopic sleeve gastrectomy found diabetes remission rates of 25%, 71%, and 69% across BMI groups below 35, 35-40, and 40 or above, with all patients achieving drug dose reduction.

KEY POINTS

- Complete diabetes remission was defined as HbA1c below 6% without drug therapy and was achieved in 25% of patients with BMI below 35, 71% with BMI 35-40, and 69% with BMI 40 or above.
- All 24 patients experienced drug dose reduction even when complete remission was not achieved.
- Complete remission occurred when serum c-peptide was maintained regardless of BMI, even in poorly controlled diabetes, while patients with decreased c-peptide still achieved weight loss and drug reduction.
- The study included patients treated between January 2017 and December 2021 with follow-up over one year, stratified into three BMI groups with mean ages of 51, 49, and 45 years respectively.
- The authors conclude that laparoscopic sleeve gastrectomy should be actively considered in obese patients with diabetes mellitus.

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