



Endoscopic Sleeve Gastroplasty (ESG)

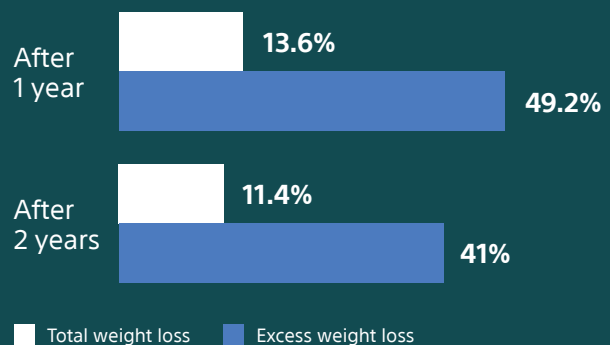
ESG: a non-surgical, non-pharmacological option

ESG supports portion control, but long-term dietary behaviour determines outcomes.

Key information for bariatric dieticians

- ESG induces weight loss through restriction and enhanced satiety, not malabsorption.^{1,2,3,4}
- Nutritional deficiencies are uncommon when diet progression and protocols are followed.²
- An RCT showed **13.6% total body weight loss (TBWL) at 12 months.**⁵
- An RCT showed a **2% rate of severe adverse events.**⁵
- Post-procedure dietary staging:⁴
 - Clear liquid diet (Day 1-3)
 - Full liquid diet (Day 3-14)
 - Pureed diet (Week 3-6)
 - Low fat & carbohydrate diet (Week 7+)
- Adherence to this staging is essential to **optimise outcomes.**^{6,7}
- Long-term success depends on **sustained dietary behaviour change.**^{2,7}
- **ESG differs from surgery (gastrectomy/bypass),** no tissue or portion of the stomach is surgically removed during endoscopic suturing or plication, minimising the risk of malabsorption or need for vitamin/mineral supplementation.¹³

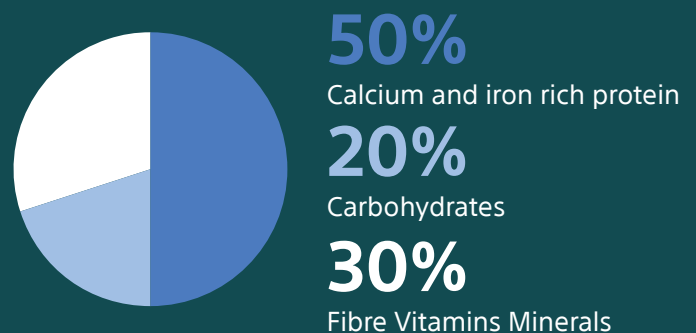
ESG is effective⁵



ESG is safe⁵



Long-term dietary changes²



The Role of Endoscopic Sleeve Gastroplasty (ESG)

Addressing common patient questions

Why is it important to change how you eat after ESG?

ESG facilitates portion control, but long-term weight loss depends on nutrition and behaviour.^{2,7}

Why is it important to start on a liquid diet and slowly reintroduce foods?

It allows suture healing and prevents loosening.^{6,7}

How does ESG differ from surgery?

Gastric bypass denies the body the chance to absorb nutrients from food, by routing food around the stomach.⁹ Because ESG does not bypass the stomach, nutrient absorption is not affected.^{7,10}

Unlike gastrectomy no tissue or portion of the stomach is surgically removed during ESG minimising the risk of malabsorption or need for vitamin/mineral supplementation.^{7,8,12}

How ESG is performed

- No incisions, no scars.^{7,8}
- Under general anaesthesia.^{7,8}
- Permanent sutures are placed endoscopically through the mouth to reduce stomach volume by 70-80%.^{3,7}
- No gastric resection.^{7,8}
- Preserves future treatment options.^{7,11}



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