

Update in the outcomes of over 800 sleeve gastrectomies with 6 years of followup.

<sup>1</sup>Mercy Bariatrics Perth Australia

Leon Cohen<sup>1</sup>, Jon Armstrong<sup>1</sup>, Harsha Chandraratnah<sup>1</sup>

Since 2004 we have performed over 850 sleeve gastrectomies. This is a heterogenous group that includes 770 primary cases and 80 revisional sleeves. The first 107 sleeves were calibrated against a 50fr bougie and the next 680 against a 40 Fr bougie. We are now using a 36 Fr bougie (63) in most cases. Results in our largest series of 618, 40 Fr primary sleeves show an excess weight loss that peaks at 18 months at 74% and is now at 61% out to 4 years. In the earlier 50 Fr series the weight loss peaked at 62 % at 24 months and had fallen to 42 % by 60 months. So far in the earlier 50 fr series 12 of the patients have been re sleeved with their EWL returning to an average of 55 % EWL at 24 months. Only one 40 fr patient has required resleeve so far. Impact of sleeve size , surgical technique, commencement BMI, age and sex on outcomes will be discussed.

Conclusion:

We believe that sleeve gastrectomy produces robust weight loss in the medium term providing an appropriate size bougie is selected. ( no more than 40Fr) Late weight regain is in line with the natural history of other bariatric approaches and can be adequately managed by resleeve gastrectomy.