## Cost-Effectiveness Analysis of the EndoBarrier Device in Patients with Type 2 Diabetes Health Care Delivery-Economics/Quality Improvement 69501 | Sunday General Potate Season

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Objective: There are multiple pharmacotherapy options for type 2 diabetes melitius (T2DMI) including injectable plucacon-like peptide-1 receptor appoints (GLP-1RA)

e.g. Braghtós: EndoBartier is an innovative impormeable finer implanted andisocopically into the proximal Intestine for up to one year, before removal. We compared the cost infectiveness of three strategies in patients with suboptimally controlled diabeles despited a least at formorth irregulided. EndoBartier vintod 1.7mg Insightide (E-I). EndoBartier without Insightides (E), and 1.8mg Insightide without Endobartier (I), for the treatment of closes patients with TZDM from a Nethront Healthcoare prespective.

measured with EQ.5-Q.4 and Quality Adjusted Life -Nears (QALYs) calculated. Treatment costs were estimated including the costs of adverse events related to treatment. The incremental cost-effectiveness ratio (ICER) uses calculated over an overy-ser inction. The Core Diabetes Model (QuilliesIMS) was used to estimate outcomes and costs beyond two years based on patient physiological data at two years, allowing calculation of the lifetime ICER research. All the view in the Egroup, inclosed by E-1, after adjustment for baseline differences. Costs were lowest in the L group and highest in the Egroup. The ICER of E-compared with L view rounds and the service of the Compared with L view rounds with L view rounds with Life view rounds related the largest reductions in both Holts, level (0.6% compared with L) at no work rounds with Life view rounds with Life view rounds related the largest reductions in both Holts, level (0.6% compared with L) at no work rounds reduced the largest reductions in both Holts, level (0.6% compared with L) and weight 12 king compared with L view rounds. Consequently over the lifetime of a calculate E-1 enerated the most QALYs and the lowest cost.

Conclusion. Our analysis suggests a role for EndoBarrier along with GLP-1R4 therapy for the control of HbA<sub>1,0</sub> and weight in patients with TZDM. Further research to confirm the sustainability of gains in HbA1 can dweight following removal EndoBarrier is recommended.

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