

## P.008

### THE ELIPSE® BALLOON: MULTI-CENTER EXPERIENCE IN 691 PATIENTS

#### Endoscopic and Percutaneous Interventional Procedures

S. Al-Sabah <sup>1</sup>, C. Giardiello <sup>2</sup>, M. Al Kuwari <sup>3</sup>, M. Al Kandari <sup>4</sup>, S. Ekrouf <sup>5</sup>, S. Al-Subei <sup>6</sup>, R. Turro Arau <sup>7</sup>, A. Caballero <sup>8</sup>, A. Sabahi <sup>9</sup>, A.H. Al Ghamde <sup>10</sup>, H. Al Naami <sup>11</sup>, A. Al-Mulla <sup>1</sup>, I. Nagi <sup>4</sup>, S. Kolmer <sup>12</sup>, M. Alemadi <sup>3</sup>, R. Ienca <sup>13</sup>, M. Sanchez <sup>7</sup>, R. Schiano <sup>2</sup>, A. Genco <sup>14</sup>

<sup>1</sup>1. Royal Hayat Hospital - Kuwait (Kuwait), <sup>2</sup>6. Department of Emergency and Metabolic Surgery, Pineta Grande Hospital - Caserta (Italy), <sup>3</sup>14. Al Emadi Hospital - Doha (Qatar), <sup>4</sup>12. Sabah Hospital - Kuwait (Kuwait), <sup>5</sup>10. Amiri Hospital - Kuwait (Kuwait), <sup>6</sup>11. Faisal Clinic - Kuwait (Kuwait), <sup>7</sup>4. Instituto Endoscopia Avanzada Espinos Turro, Centro Medico Teknon - Barcelona (Spain), <sup>8</sup>5. Clinica la Luz - Madrid (Spain), <sup>9</sup>7. Jeddah National Hospital - Jeddah (Saudi arabia), <sup>10</sup>8. GNP Hospital - Jeddah (Saudi arabia), <sup>11</sup>9. Al Manaa General Hospital - Dammam (Saudi arabia), <sup>12</sup>13. IPCO Institute - Mulhouse (France), <sup>13</sup>3. Department of Experimental Medicine, Medical Pathophysiology, Food Science and Endocrinology Section, Sapienza University - Rome (Italy), <sup>14</sup>2. Department of Surgical Science, Sapienza University - Rome (Italy)

## Background

Intragastric balloons are recognized as safe and effective weight loss devices.

## Introduction

The Elipse Balloon (Allurion Technologies, Natick, MA USA) is the first balloon that does not require any endoscopy or sedation.

## Objectives

To evaluate post-market results in 13 international centers of excellence.

## Methods

The Elipse Balloon is enclosed in a small capsule that is swallowed and is filled with 550mL of liquid. The balloon remains in the stomach for approximately 4 months after which it spontaneously opens, empties, and is excreted. Patients receive nutritional counseling every 2 weeks. Approximately 1,500 balloons have been placed to date. Data were collected from large volume centers that treated patients with a BMI between 27-45 kg/m<sup>2</sup>.

## Results

691 patients (152M/539F) with mean age of 35.9 ± 5.3 years, mean weight of 99.4 ± 10 kg, and mean BMI of 36.6 ± 4.8 kg/m<sup>2</sup> were included. After 4 months, the mean weight loss was 13.5 kg, mean percent excess weight loss was 54.5%, and mean BMI reduction was 5.1 kg/m<sup>2</sup>. Total body weight loss was 14%. Eleven (1.5%) balloons were removed early due to intolerance. Two bowel obstructions occurred requiring laparoscopic removal of the balloon. One bowel obstruction occurred in a contraindicated patient with a history of multiple abdominal surgeries. Post-operative course was uneventful. Six empty balloons were vomited uneventfully.

## Conclusion

This multi-center experience with the Elipse Balloon indicates that it is a safe and effective method for weight loss.