



МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ  
СУМСЬКИЙ ДЕРЖАВНИЙ УНІВЕРСИТЕТ  
КАФЕДРА ІНОЗЕМНИХ МОВ  
ЛІНГВІСТИЧНИЙ НАВЧАЛЬНО-МЕТОДИЧНИЙ ЦЕНТР

## **МАТЕРІАЛИ**

**XIV ВСЕУКРАЇНСЬКОЇ  
НАУКОВО-ПРАКТИЧНОЇ КОНФЕРЕНЦІЇ  
СТУДЕНТІВ, АСПІРАНТІВ ТА ВИКЛАДАЧІВ  
ЛІНГВІСТИЧНОГО НАВЧАЛЬНО-МЕТОДИЧНОГО ЦЕНТРУ  
КАФЕДРИ ІНОЗЕМНИХ МОВ**

**«TO MAKE THE WORLD SMARTER AND SAFER»**

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another that helps the virus evade the immune system. The drug works by replicating in cancer cells, causing them to burst. Accordingly, with T-VEC, doctors have new options when choosing the treatment. This means that they do not need to remove the tumors surgically, and this will avoid many problems and postoperative complications. Oncolytic viruses are in clinical trials treating a broad array of malignancies including melanoma, sarcoma, carcinomas of the breast, lung, colon, prostate, kidney, liver pancreas, bladder and ovary.

List of references:

1. <https://www.businessinsider.com/amgen-herpes-virus-skin-cancer-treatment-imlygic-fda-approved-2015-11?r=US&IR=T>
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## SWALLOWABLE GASTRIC BALLOON COULD HELP WITH WEIGHT LOSS

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Nowadays, obesity cannot be ignored no more, it is a major factor which is harmful for our human health. This metabolic illness results from excess accumulation of body fat. Obesity increases the development of such fatal diseases including diabetes mellitus, coronary heart disease, stroke, hypertension. Curing obese patients prevents the development of complications and irrevocable changes. Current therapeutic methods are maintaining a healthy lifestyle, a medical treatment, bypass surgery.

Besides, the most effective treatment for obesity and type 2 diabetes is a weight-loss surgery. However, only 1% of obese patients eligible for bypass surgery choose to undergo it. Therefore, the invention of less invasive and efficient method of

any obesity treatment is relevant. A swallowable intragastric balloon can be introduced as an example. This technique is the most frequently used in practice and the most studied treatment.

As already mentioned, very few obese patients can undergo surgery due to high risks of excessive bleeding, infection, blood clots. The intragastric balloon technique is suitable for patients with body mass index between 30 and 40, those who cannot be a candidate for a bypass surgery or prefer less invasive approaches.

This non-invasive technique achieves a great weight reduction in obese people. Previous studies showed significant results: the mean weight loss owing to 3 months and 6 months with the intragastric balloon therapy ranged between 10.5-13.7 kg and 12-26.3 kg accordingly.

The intragastric balloon treatment offers a minimally invasive and effective method for curing obesity and complications. Nevertheless, it is possible not to lose great weight or to regain it after any weight-loss surgery. That's why it is important to follow the recommended lifestyle changes.

## DANGEROUS OF HEAVY METALS SPREADING IN THE ENVIRONMENT AND THEIR EFFECT ON UTERUS

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One of the problems of our century is the unfavorable environmental status. Among the large spectrum of pollutants, special attention is paid to the effect of heavy metal salts pollution. These chemical elements in background concentrations can be found in all layers of the ecosystem. Moreover, most of these microelements are essential for the functioning of the organisms. However, when heavy metals enter the body in high concentrations, they may obtain their toxic properties. This may lead to different disorders on the tissue and cellular levels, in particular: imbalance of enzymatic metabolism, antioxidant