

The invention relates to medicine, namely to oncology and can be used for treating the patients with the advanced ovarian cancer. A method comprises the surgical resection of cancer and the conventional chemotherapy. 5 weeks prior to the surgery, cisplatin at a dose of 100 mg/m^2 is administered intraperitoneally through the implanted microirrigator and cyclophosphamide at a dose of 800 mg/m^2 is administered intravenously. 7 days postoperatively, two cycles of the same combined chemotherapy are performed.