

The Preliminary Appraisal of Polysaccharide Peptide (PSP) in Malignant and Non-malignant Diseases

Z.Y. Sun *et al*
Shanghai Medical University

Abstract

28 late cases of malignancy of all pathologically proven were evaluated. Among them are one case of melanoma, two cases of non-Hodgkin lymphoma (NHL), twenty cases of gastro-intestinal cancers, three cases of bronchogenic carcinoma, one case each of primary hepatocellular carcinoma and multiple peritoneal malignancies of unknown origin respectively.

Most of the cases had surgery, irradiation or anticancer chemotherapy in combination. PSP were taken orally in capsules, total dose ranged from 20g to more than 800g.

A case of malignant melanoma of back was operated for five times, she was operated for the first time in Jan 1982, lymphadenopathy of right iliac and inguinal glands began, consequently wide dissections of the involved nodes were done. In August 1983, the disease metastasized to right chest wall and st. axillary glands and resected specimen showed one of three subscapular nodes and one of the eight axillary nodes were metastatic melanoma lesions, the estrogen receptor content of the specimen was 125F mol/mg. On September 10, the same year a total hysterectomy was done. She received 7 courses of CCNU, PCZ and VCR regime beginning from October 1983. Despite the stable condition of her disease, she had to give up further chemotherapy on account of distinct leucopenia. In April 1985, she was found to have GI bleeding, GI bladder, condition improved after Tamoxifen and symphomate treatments. Half year later melana reappeared and right hemicolectomy and partial resection of the jejenum were done. PSP was given postoperatively, and there was no chemotherapy for already more than 2 years. She is apparently well and can participate ordinary heavy work without difficulty.

Another case of multiple peritoneal metastasis of unknown origin was benefited by PSP also. She had mass of 5x5cm in RLQ of abdomen and quite massive ascites. After 100g of PSP, ascites disappeared and the mass decreased to 3x3cm. White count went up to 5200 from 3800, lymphocytic mitosis increased from 28 to 36%.

Two cases of NHL were apparently benefited too by PSP in spite of the fact one each had received systemic chemotherapy and radiotherapy of waldegers ring respectively.

All the 28 cases except 2, the general conditions of patients and appetite improved 2/3 of the cases showed an increase of white count of 1000 at least. Around half of the patients had an increased of function of cellular immunity. One case of liver cancer showed marked amelioration of abdominal pain 80 that he could abandon dolantin injection and one case of lung cancer had conspicuous decrease of the malignant pleural effusion.

Five cases of chronic gastritis and three cases of chronic active hepatitis showed remarkable improvement in symptoms and liver function test. HBsAg declined in two of three hepatitis patients.

So far no adverse drug reaction has been observed, there were no impairment of liver and renal functions after the long term administration of PSP even up to years.

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