

A Case of Cholangiocellular Carcinoma Associated with Leukocytosis

Yosuke IKARI¹⁾, Satoru ISHIDA²⁾, Kaoru IWATA²⁾,
Takayuki HANANO²⁾, Genryu HIRANO²⁾, Yasuaki TAKEYAMA²⁾,
Masanori YOKOYAMA²⁾, Makoto IRIE²⁾, Satoshi SHAKADO²⁾,
Tetsuro SOHDA²⁾ and Shotaro SAKISAKA²⁾

¹⁾ *Fukuoka University Hospital Postgraduate Clinical Training Center*

²⁾ *Department of Gastroenterology and Medicine, Fukuoka University Faculty of Medicine*

Abstract : A 55-year-old male was admitted to our hospital due to the presence of a liver tumor. Laboratory data showed leukocytosis. We diagnosed the tumor to be a cholangiocellular carcinoma with paraneoplastic leukocytosis by abdominal computed tomography, histological examinations of the tumor and the clinical course. Although the serum level of granulocyte-colony stimulating factor was high, immunohistochemical staining revealed that the tumor cells do not produce granulocyte-colony stimulating factor. Since the serum levels of both C-reactive protein and interleukin-6 increased, we speculate that cytokines, such as interleukin-6 produced by lymphocytes and macrophages, are thus involved in these paraneoplastic phenomena.

Key words : Cholangiocellular carcinoma, Leukocytosis, Paraneoplastic syndrome