Ekspresi interleukin-2 dan interleukin-10 pada kanker serviks uteri dengan positif HPV
The expression of interleukine-2 and interleukin-10 in cervical cancer with HPV positive

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by

Adi Prayitno 1, Ruben Darmawan 2, Istar Yuliadi 3
1Department of Pathology, Sebelas Maret University School of Medicine, Surakarta
2Department of Parasitology, Sebelas Maret University School of Medicine, Surakarta
3Department of Obstetrics & Gynecology, Sebelas Maret University School of Medicine, Surakarta

ABSTRACT  Now the pathogenesis of cervical cancer is pointed to human papilloma virus (HPV). The immunity against cancer many unknown. Interleukin-2 (IL-2) act as growth and differentiation factor for natural killer (NK) cells. Interleukine-10 (IL-10) is a unique because it can be press and stimulate the immune response. The objective of this experiment is to known the expression of IL-2 and IL-10 in cervical cancer with HPV positive. DNA was isolated from nineteen samples cervical cancer tissues frozen section. Diagnose related with HPV made by PCR method. Paraffin block of the tissues cervical cancer with HPV infection was cut in throughly cleaned cryotome and place in glass plate that covered with poly-elysine. The immunohistochemistry is done with monoclonal antibody anti IL-2 and IL-10 with TSA-indirect method. Seventeen samples diagnosed HPV positive. The Result of this experiment show that expression of IL-2 and IL-10 in cervical cancer with HPV positive are in mild category (30-70%). The experiment that related with cervical cancer immunology is very suggested.