Electrical Property Measurement from acupoints and Meridian in Human

YeonHee Ryu[1] · Sung Tae Koo[1] · Sang Yong Jeong[1] · KyuSeok Ahn[2] · Sunmi Choi

[1]Dept. Medical research, Korea Institute of Oriental Medicine, 305-811, 461-24 Jeonmindong, Yuseonggu, Daejeon, KOREA
[2]Dept. of Oriental Pathology, KyungHee University, 1 Hoegi-dong Dongdaemun-gu, Seoul. 130-701

Abstract

Electrical potential at acupoints is usually smaller than that of surrounding skin. Among the electrical property measurement experiments, Voll method is known as electro-acupuncture by direct current (DC) resistance of the human skin. This study is the performance that focuses on the parameter selection of bio electrical signal measurement in Human. It measured the electric potential at Oh-Shu acupoint(LI1, LI2, LI3, LI5, LI11) of Large Intestine meridian with left arm. Control point of electric potential measurement was escaped 3cm with elbow at LI11. The manual acupuncture stimulation was performed on subjects by the same licensed acupuncturist. It confirmed the difference of the electrical potential when comparing stimulus before and after at Oh-Shu acupoint(LI 1, LI 2, LI 3, LI 5, LI 11). It confirmed that it comes to be lower the potential which is measured initially than from the LI 1, LI 2, LI 3, LI 11. In LI 5, there was not same aspect the others. May be, the anatomical structures differs the other acupoints location. It was furthermore consider with the electrode and measurement skill.