

## 핵의학 검사에 의한 한국인의 의료상 피폭

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### 요약

현대의학에서 진단방사선 검사와 더불어 필수적인 진단의 수단이며 주요한 인공방사선 피폭원인 핵의학 검사의 진단행위별 빈도수와 행위당 피폭 유효선량 평가 자료를 수집하고 이를 결합하여 핵의학 검사에 의한 우리 국민의 총 집단선량 및 국민 1인당 피폭선량 평가를 수행하고 이를 데이터베이스화하였다. 본 연구에서 축적된 자료는 세분화된 핵의학 검사의 피폭선량 기여도 비교 및 의료상 피폭 방호 최적화 목적의 선량감축을 위한 정보로 활용가능하다.

## Anticancer Effects in ECT for the Mechanism

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### Abstract

Now, as for the cancer therapy, surgery, radiotherapy treatment, immune therapy, hyperthermia, chemotherapy are done. Mold cavity of focus limiting to a certain locus is up to it early so that carcinoma is called whole body disease to metastasis tumor become ill. Surgical treatment and radiotherapy are effective for local cancer therapy, but, as for the chemotherapies, we think with more suitable therapy that we cure illness from head to foot. Electrotherapy, it has been developed a study of electrotherapy in 1980 by Swedish Nordenstrom. Thereafter it was tried by electrotherapy and combination of chemotherapies, but there are a few many study reports. A principle of electrotherapy was indistinct still and we used ICR mice for a thing of the principle elucidation and did fundamental experiment. The experimental animal transplanted a cancer cell (sarcoma180, scc-7) in right femoral region sub cutis of ICR mouse. The experimental group (sarcoma180, scc-7) divided it into control group, 1 coulomb group, 5 coulomb groups, and 10 coulomb groups and totaled 8. Electrotherapy group was tumor tissue, and a system cancer effect was recognized than control group by this study. In particular an ECT effect was remarkable scc-7 cancer. In addition, we confirmed that accumulation of drug in aim apparatus stood out between an anode and cathode by a study of MTX of a precedence experiment and was different. We think that good cancer therapy of the efficiency can more by executing ECT in the tumor tissue side