

FAECAL BILE ACIDS AND CLOSTRIDIA IN PATIENTS WITH

W. R. MURRAY, A. BLACKWOOD, K. C. CALMAN AND C. MACKAY

*From the University Departments of Surgery and Oncology, Western Infirmary,
Glasgow*

Received 5 June 1980 Accepted 21 August 1980

Summary.—We have studied 30 patients presenting with breast cancer and 36 control

tradiol can be produced *in vitro* from the time of admission. In both these patients

representative of patients presenting for TABLE II.—*Mean faecal bile acid concen-*

treatment in the West of Scotland with this disease. The mean age of the patients was 62 years with a range of 33 to 93. The mean age of the 36 control patients was 65.

trations and frequency of isolation of Clostridium paraputificum (CPP) and NDC

Breast

Twenty breast-cancer patients were mar-

cancer Controls

tion of significant *in vitro* oestrogen pro- self-imposed restrictions. Males were in-

BEATSON, G. T. (1896) On the treatment of inoperable cases of carcinoma of the mammae: Sugges-

JENSEN, E. V., BLOCK, G. E., SMITH, S., KYSER, K. & DE SOMBRE, E. R. (1971) Estrogen receptors and

tive cases. *Lancet*, ii, 104.

Cancer Inst., 34, 55.

CALDWELL, B. V., TILLSON, S. A., ESBER, H. & KING, R. J. R. (1971) Are oestrogens carcinogens?