

EFECTOS DE LA CICLOSPORINA A SOBRE EL CICLO CELULAR DE LOS HEPATOCITOS EN LA RATA

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Con la finalidad de estudiar los posibles cambios inducidos por la CyA sobre el funcionalismo hepatocitario, se ha valorado su efecto sobre la síntesis de DNA en estas células. **Material y Métodos.**- Se han administrado 20 mgrs/Kgr/día de CyA a ratas Sprague-Dawley hembras de 200-220 grs., repartidas en seis grupos: controles, tratadas con CyA i.m. y tratadas con CyA i.p., y los mismos en animales sometidos a hepatectomía del 40%. El DNA se ha cuantificado por un método micro-espectrofotométrico sobre tinción de Feulgen-Rossenback. **Resultados.**- 1)El valor medio del contenido en DNA-Feulgen por núcleo de hepatocito ha sido superior ($p < 0.05$) en los animales sometidos a hepatectomía (18.49) que en los no intervenidos (12.90). 2)No ha habido variación en el contenido en DNA de los núcleos hepatocitarios con el tratamiento con CyA i.m. (12.39). 3)La administración de CyA i.p. ha provocado un aumento del contenido medio hepatocitario en DNA-Feulgen tanto en los animales normales (15.54) como en los sometidos a hepatectomía (23.67) ($p < 0.05$). **Conclusiones.**- Este aumento en el contenido de DNA-Feulgen indica un aumento en el nivel de poliploidía de los hepatocitos, que es una de las dos formas de manifestarse la entrada en fase de síntesis de estas células. Así, en nuestra experiencia, la CyA administrada por vía i.p. ha mostrado dos efectos: 1)Induce la entrada en fase de síntesis de los hepatocitos en el hígado en reposo, y 2)Exalta la síntesis de DNA hepatocitario inducida con la hepatectomía del 40%, manifestándose este hecho por el aumento de núcleos con alto nivel de poliploidía.

SURGICAL INFLUENCE ON PRL AND LH SERUM LEVELS IN BREAST CANCER

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PRL and LH levels (RIA) in patients bearing breast cancer, and surgical procedures influence on these levels have been checked. MATERIALS AND METHODS: Basal and post-stimulation (200mcg of TRH and 100mcg of LHRH) PRL and LH levels were checked in 23 patients (6 premenopausal and 17 postmenopausal) both preoperatively and 8 days after surgical procedure (Radical Mastectomy, Halsted-Mayer). In the control and premenopausal groups, the RIA levels were determined at the first part of the menstrual cycle. The blood venous samples were taken in fasting patients for basal determinations and at 20, 40, 60, 90 and 120 minutes after specific stimulation. RIA assays have been carried out by means of double antibody procedure with cellulosa. RESULTS: Statistic differences have not been found with surgical procedure in PRL and LH levels, neither basal nor after specific stimulation. Thought, slight increment in PRL levels and slight decrease in LH levels were found postoperatively, these differences were not statistically significant. CONCLUSIONS: These results suggest that surgical procedures do not interfere in PRL and LH serum levels.

THYMOMA AND PARATHYMIC SYNDROMES

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INTRODUCTION. We present a case of thymoma in association with Pure Red Cell Aplasia (PRCA) and Lichen Planus that was treated with thymectomy and immunosuppressive drugs, obtaining clinical and analytic remission of parathymic syndromes.

CLINICAL COURSE. A 70 year old female patient was admitted to the emergency department with an anaemic syndrome. The routine chest X-Ray (PA & Lat.) revealed the presence of a mediastinal mass, confirmed later by chest CAT. There was an absence of reticulocytes in all hemograms and the needle aspiration of sternal bone marrow confirmed the diagnostic of PRCA. At the same time, the patient had mucocutaneous lesions corresponding to Lichen Planus. The proteinogram revealed a peak of IgG (2190). There was also an increase of OKT8 lymphocyte subpopulation and inverted OKT4/OKT8 quotient and high titres of ANA. We practised thymectomy and obtained a surgical piece of 13x10x6 cms. and 400 g. which was confirmed pathologically as thymoma. One month after surgery we began immunosuppressive treatment with cyclophosphamide and prednisone, but did not obtain any response until 8 months later, when the patient had a reticulocitary crisis. Since then She has not needed any more transfusions, there appear reticulocytes in all hemograms, the IgG peak has disappeared.+ ANA titres and OKT4/OKT8 are normal.

DISCUSSION. Neoplasms of thymic epithelial cells or thymomas, may alter the immunologic regulation system and facilitates the apparition of autoimmune diseases, which is why some authors have named them as "parathymic syndromes". As many as 40% of thymomas present the referred association and the most frequent are myasthenia gravis (50-75%), PRCA (35-50%) and hypogammaglobulinemia.