

To date, 7 of the HRP's developed an affective disorder. These findings suggest that a REM sleep dysregulation not overt under basal conditions may be demasked by cRIT. In an ongoing study we examine REM sleep dysregulation with the cRIT in healthy subjects with respect to the HLA-DR2-system and other biological indicators related to affective disorders, i.e. responsivity of the HPA axis, and the psychometric profile of the subjects.

P11.20

Therapeutic sleep deprivation in depression: total sleep deprivation versus late partial sleep deprivation, a review of the literature

F. Schwärzler*, C. Bernecker, M. Schweinsberg, H. Giedke.
Department of Psychiatry, University of Tübingen, Germany

Introduction: Late partial sleep deprivation (PSD) is thought to have a similar antidepressant effect compared to total sleep deprivation (TSD). This opinion is based on the results of only one study and on meta-analytic comparisons. In one of our own studies, we compared TSD and PSD in the same patients in a randomised crossover design and found TSD to be significantly superior with respect to all outcome criteria.

Objective and Method: We conducted a literature search for publications between 1966 and 2000. Response rates as a function of response criteria and clinical features were evaluated for PSD and TSD.

Results: 465 publications were checked for relevance, 194 original papers were reviewed, 66 were included. Response rates according to different response criteria ranged from 37 to 49% for TSD and from 46 to 52% for PSD (n. s.). The more severely depressed and patients with bipolar disorder had a significantly better outcome ($p=0.02$ and 0.013). Response rates based on observer ratings were higher compared to patients' self-ratings ($p=0.033$ for TSD and 0.02 for PSD).

Conclusion: Contrary to our hypothesis we found no difference in antidepressant efficacy between TSD

P11.21

Psychology evaluation of patients suffering from nonulcer dyspepsia

S. Tosic-Golubovic^{1*}, S. Miljkovic², H. Djordjevic³, A. Djordjevic¹, V. Sibinovic¹, S.R. Sibinovic⁴. ¹*Clinic Centre Nis, Psychiatry Clinic*; ²*Medical Faculty*; ³*Special Psychiatry Hospital*; ⁴*Gastroenterology Clinic, Yugoslavia*

Nonulcer dyspepsia is one of the newer terms used to describe the persistent upper abdominal pain for which no focal or systemic disease can be detected. Our study was an attempt to determine the levels of depression and anxiety and personality profiles among the patients suffering from nonulcer dyspepsia compared with a control group who had proven peptic ulcer disease. All subjects underwent psychological evaluation using Eysenck personality questionnaire, MMPI, Hamilton scale for depression and anxiety. Significantly higher neuroticism, hypochondriasis, anxiety scores were detected in over 64% of patients suffering from nonulcer dyspepsia, compared with 24% of control subjects, while there was difference in levels of depression with higher levels among control subjects. These results suggest that nonulcer dyspepsia is often associated with psychiatry disorders indicating that assessment and treatment of comorbid condition such as anxiety and depression may be of great importance in the treatment of nonulcer dyspepsia. The association with depression which has been found reflects the chronicity of the symptoms and is likely to be consequence of rather than a causal factor for peptic ulcer disease.

P11.22

The influence of anxiety – depression syndrome on the evolution of COPD

S. Miljkovic^{1*}, S. Tosic-Golubovic², H. Djordjevic³, A. Djordjevic², V. Sibinovic². ¹*University of Nis Medical Faculty*; ²*Clinic Centre Nis, Psychiatry Clinic*; ³*Special Psychiatry Hospital, Yugoslavia*

Patients with respiratory disease have been reported to have higher than expected rates of depression and anxiety disorders, particularly panic disorders. Dyspnea attack severity is associated with major depression, panic attacks, number of emergency room visits and self-assessment of risk of death. The side effects of antiasthmatic drugs or compulsive overuse of those drugs, in addition diminish psychosocial functioning. We evaluated 30 consecutive subjects with chronic obstructive pulmonary disease (COPD) who attended the Pulmonary Clinic in the beginning and in the end of hospitalization, with standard psychometric instruments employed: Hamilton scale for depression and anxiety. The levels of anxiety and depression were compared depending on the time of investigation (on the start and in the end of hospitalization), as well as with the healthy individuals. The patients with COPD showed significantly higher scores for anxiety and depression at the beginning than in the end of hospitalization, and significantly higher comparing with the control subjects. Such comorbidity probably is a result of a great psychosocial impact of serious chronic disease and the impact of consecutive neurohumoral factors.

P11.23

Psychopathological reactions after mastectomy

H. Djordjevic^{1*}, S. Tosic-Golubovic², S. Miljkovic³, A. Djordjevic², V. Sibinovic². ¹*Special Psychiatry Hospital, Nis*; ²*Clinic Centre Nis, Psychiatry Clinic*; ³*University of Nis Medical Faculty, Yugoslavia*

Our prospective study was an attempt to explore depression and anxiety among patients that have been undergone total mastectomy for the purpose of breast cancer, and limited resection for the purpose of benign breast disease before and three months after surgery, as well as to compare the results obtained among the patients who had received cholecystectomy. Except standard psychometric instruments employed: Hamilton scale for depression and anxiety, MMPI 201, all patients responded to sexual and marital functioning questionnaire items, devised by the authors. Women with breast cancer showed greater psychological distress in the fields of interpersonal and marital functioning. The levels of anxiety decreased but not significantly, while the levels of depression significantly increased 3 months after total mastectomy. Cancer patients had significantly higher total scores for anxiety and depression before and after surgery comparing with the patients that had been undergone limited breast resection and especially comparing with cholecystectomy subjects, probably due to mixed effects: psychological implications of total mastectomy versus limited breast resection and the influence of cancer on a patient's psychology functioning.