

Poster presentation

The clinical application of brain computerized tomography in psychiatry

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Background

The diagnosis of psychiatric disorders is mainly made on the base of clinical interview and physical/mental examination of the patient. The clinical application of laboratory tests is limited to rejection of probable medical causes which may lead to emerge of mental manifestations. For assessing the efficiency of brain computerized tomography in this respect, a study was conducted.

Materials and methods

All of the hospitalized patients in psychiatric emergency unit of Isfahan Medical School for six months were examined in the view of demographic characteristics, clinical diagnosis, and the number of performed brain computerized tomography and their results.

Results

Brain computerized tomography was requested for 142 patients among the 408 hospitalized patients in psychiatric emergency unit. Among the performed scans only in one case (0.7 percent), mild brain atrophy was reported and the remaining 141 scans were normal or at limit level of normal.

Discussion

According to limited diagnostic value of brain computerized tomography in psychiatry and also techno-economic problems, the accurate assessment of its actual application, especially in our society, seems necessary.

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