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**The new predictive and prognostic markers in Hepatocellular carcinoma**

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**Background & Objective:** It was aimed to investigate the expressions of c-erb-B2, EGFR, PTEN, mTOR, PI3K, p27 and ERCC1 in Hepatocellular carcinomas (HCC) and their correlations with other clinic pathologic features.

**Methods:** Immunohistochemistry was performed by these markers in 50 HCC cases. Statistical analysis was done to examine the relationships of them with clinic pathologic characteristics and survivals.

**Results:** c-erb-B2 staining was seen only cytoplasmic in 92%, membranous EGFR in 40%, PI3K in all, mTOR in 30%, reduced or absent PTEN in 56%, loss of p27 in 92% of the cases. c-erb-B2, mTOR, p27 were correlated with multiple tumors, p27, mTOR and EGFR were with AFP levels, EGFR and ERCC1 with angiolymphatic invasion, EGFR with histological grade. Survivals showed significant difference between therapy modalities, AFP levels, angiolymphatic or lymph node invasions, ERCC1 and p27 expressions.

**Conclusions:** It was shown that c-erb-B2; EGFR, mTOR, ERCC1 and p27 may play role in hepatocarcinogenesis and may be significant predictors of aggressive tumor behavior.

**Biography**

Nuray Bassüllü is a Medicine Doctor (PhD-medicine). She is an Associate Professor of Pathology Department, Istanbul, Turkey. She had completed her PhD from Istanbul University, Cerrahpasa Medical Faculty, Department of Pathology and Post doctoral studies from İnönü University and Istanbul Bilim University Medical Faculty Department of Pathology in Turkey. She had published more than 30 papers in reputed journals and serving as an Editorial Board Member of reputed. Her research interest is on the Hepatocellular carcinoma and hematopathology.

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