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A study on antigen receptor gene rearrangements in 13 cases of T-cell non-Hodgkin's lymphoma

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Abstract The beta and gamma chain gene rearrangements of the T-cell receptors (TCR) were studied with Southern blot hybridization and polymerase chain reaction in 13 cases of non-Hodgkin's lymphoma with T-cell phenotype. It was found that 11 out of the 13 cases (86%) exhibited TCR beta gene rearragnement and 12 out of the 13 (91%) displayed TCR gamma gene rearrangement. The findings suggest that gene rearrangements are more sensitive and specific markers to establish T-cell monoclonality and lineage and helpful to the morphological diagnosis and immunophenotyping for non-Hodgkin's lymphoma.

Key wrods lymphoma, non-Hodgkin's; gene rearrangement; blotting, Southern; polymerase chain reaction

个案与短篇

脑脊液乳酸脱氢酶测定的临床意义

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King 氏发现脑出血和脑肿瘤的脑脊液(CSF)中乳酸脱氢酶(LDH)的活性增加。近年来,有关血中 LDH 的研究颇多,但对 CSF-LDH 活性的变化报道较少。为了探讨 CSF-LDH 活性对临床诊断的价值,我院对 31 例脑出血和 12 例闭塞性脑血管病患者及 10 例健康成人的 CSF-LDH 进行检测,现将观察结果报道如下:

1 对象和方法

1.1 观察对象

均为门诊及住院病人。患者组:采集患者 CSF 43 例(男 28,女 15,年龄 20～77 岁);正常对照组:正常 CSF 10 例。

1.2 测定方法

CSF-LDH 总活性根据生物化学及检验技术介绍的比色法测定[1]。

2 结果

脑出血组 31 例 CSF-LDH 总活性均在 95u 以上,其中 23 例(74.19%)>200u,最高达 480u;闭塞性脑血管病 12 例和正常对照组 10 例除 1 例(56u)外,其它均在 50u 以下。闭塞性脑血管病与正常对照

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A study on p53 and Rb genes in gastric cancer and juxtacancerous tissue

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Abstract The deletion and rearrangement of p53 and Rb genes were studied in gastric cancer with Southern blot hybridization and the point mutation in 248 and 249 codons of p53 was studied with PCR-RFLP. It was found that deletion or rearrangement of p53 was seen in 9 cases out of 30 cases of gastric cancer and point mutation at 248 codon of p53 in 2 cases out of 42 cases, and deletion and rearrangement of Rb gene were seen in 2 cases out of 15 cases.

Key words stomach neoplasms; oncogenes; p53 genes; Rb genes

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组相比差异无显著意义($P > 0.05$);脑出血与正常对照组相比有显著性差异($P < 0.01$)。

3 讨论

以上结果表明:闭塞性脑血管病和正常对照组测得的数值均在正常参考值以内;而脑出血组测得的总活性均明显地超过正常参考值。脑出血 CSF-LDH 显著增高,而闭塞性脑血管病则正常。当脑出血 CSF 清亮而不易与脑血栓鉴别时,若测定 CSF-LDH,则有助于二者的区别。有的作者认为脑血管病和脑出血 CSF-LDH 的总活性增高[2];也有作者认为闭塞性脑血管病的 CSF-LDH 总活性基本正常[3]。本文资料说明 CSF-LDH 总活性增高可作为诊断出血性脑病的一项诊断指标。

关键词 脑髓脊液;乳酸脱氢酶类

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