



Poorly differentiated gastric neoplasm immunohistochemical analysis and significance

De-Cheng Zhao, Yu-Zhen Lu, Wei An, Hong Shi, Zhong-Min Zhao

De-Cheng Zhao, Yu-Zhen Lu, Wei An, Hong Shi, Zhong-Min Zhao,
Department of Pathology, 2nd Hospital Shenyang Medical College, Shenyang
110002, Liaoning Province, China

Author contributions: All authors contributed equally to the work.

Correspondence to: Dr. De-Cheng Zhao, Department of Pathology, 2nd Hos-
pital Shenyang Medical College, Shenyang 110002, Liaoning Province, China

Received: July 11, 1998

Revised: August 12, 1998

Accepted: September 8, 1998

Published online: October 15, 1998

Abstract

AIM: To distinguish poorly differentiated epithelial from none
epithelial gastric neoplasm of using a group of antibodies.

METHODS: Appropriate, special immunohistochemical chief
antibody were chosen including cytokeratin (broad-spectrum CK),
LCA (CD45), Vimentin, CEA and NSE. Forty-three cases of poorly
differentiated neoplasm were analyzed by immunohistochemically

assay under microscope.

RESULTS: Thirty-nine (90%) of 43 cases of poorly differentiated
gastric neoplasm were CK positive, 2 (5%) LCA (CD45) positive,
1(2%) Vimentin positive 2%, 31 (72%) CEA positive, 16 (57%) NSE
positive (1 case had No cell > 50 %).

CONCLUSION: It is most efficacious to choose a group of
appropriat sensitive immunohistochemical antibodies to distinguish
epithelial from nonepithelial ingredient of gastric neoplasm. Its
operation is very simple, and specificity is high which can de widely
used in pathologic diagnosis.

Key words: Stomach neoplasms/pathology; Stomach neoplasms/
diagnosis; Immunohistochemistry

© **The Author(s) 1998.** Published by Baishideng Publishing Group Inc. All
rights reserved.

Zhao DC, Lu YZ, An W, Shi H, Zhao ZM. Poorly differentiated gastric neoplasm
immunohistochemical analysis and significance. *World J Gastroenterol* 1998;
4(Suppl2): 129 Available from: URL: [http://www.wjgnet.com/1007-9327/full/
v4/iSuppl2/129.htm](http://www.wjgnet.com/1007-9327/full/v4/iSuppl2/129.htm) DOI: <http://dx.doi.org/10.3748/wjg.v4.iSuppl2.129>

E- Editor: Li RF



Published by **Baishideng Publishing Group Inc**
8226 Regency Drive, Pleasanton, CA 94588, USA
Telephone: +1-925-223-8242
Fax: +1-925-223-8243
E-mail: bpgoffice@wjgnet.com
Help Desk: <http://www.wjgnet.com/esps/helpdesk.aspx>
<http://www.wjgnet.com>

