

1 . . . 1, . . . 2, . . . 1, . . . 2
 (. . . - . . .), «
 2 « . . . », . . .

MORPHOGENESIS OF METAPLASTIC CHANGES IN GASTROESOPHAGEAL DISEASE
T.G. Filonenko, A.V. Kilessa, E.P. Golubinskaya, A.A.Birkun

SUMMARY

The aim of research was to study the morphogenesis of metaplastic changes in esophageal mucosa, to determine the diagnostic and prognostic criteria in Barrett esophagus (BE). Material for histological and immunohistochemical research were mucosal biopsies of the distal esophagus from 79 patients with clinical and endoscopic indication of WB. Immunohistochemical research with using of CK7 and CK20 is characterized by high sensitivity, specificity and accuracy to determine the phenotype of different types of metaplastic processes under endoscopic diagnosed BE. Moderately pronounced CK20 expression, high Ki67 and p53 expression in the epithelium of cardiac type mucosa are the evidence of transformation of cylindrical gastral epithelium into the intestinal and may be the early diagnostic criteria of BE. Markers Ki67 and P53 are predictors of dysplastic and malignant transformation of tissues due to the gradual increase in their expression with the highest values in biopsies of adenocarcinoma.

. . . , . . . , . . . ,
 ().
 79
 7 20 - . . . ,
 . . . 20, 67 53
 . . . 67 53
 : , , .
 ”
 () - “ ”,
 [1; 2]. -
 , , , -
 [3; 4].
 , -
 (), -
 [5; 6; 9]. () -
 20 , -
 “ , -

[7;8].

79

Olympus Evis Exera 2, 180,

(Z-).

60%

20%

Z-

21%

1,5

7 20 (7

(.1 1).

20),

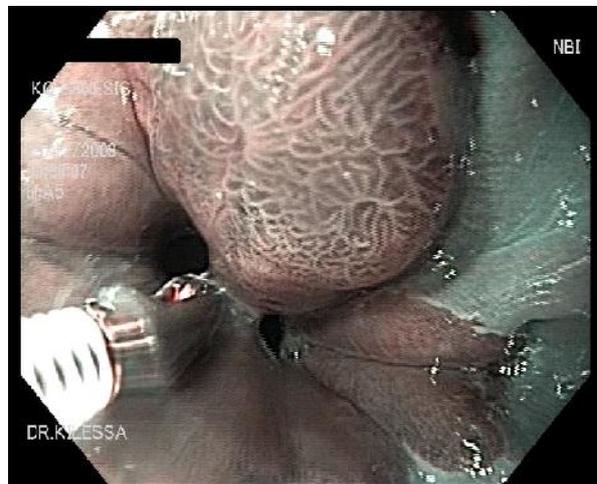
7-

20

[5]

Ki67,

G₀.



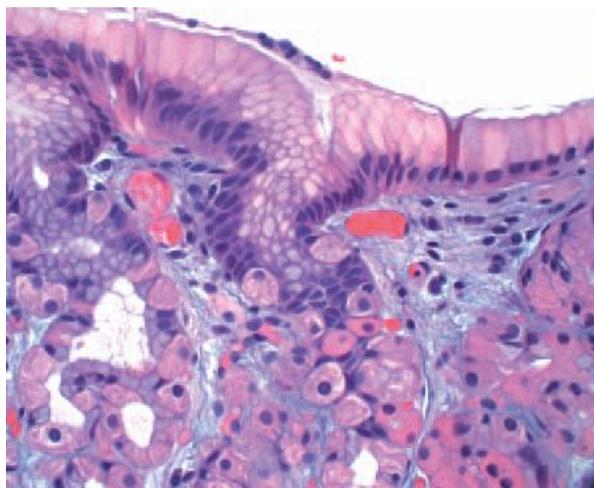
.1 .

53-

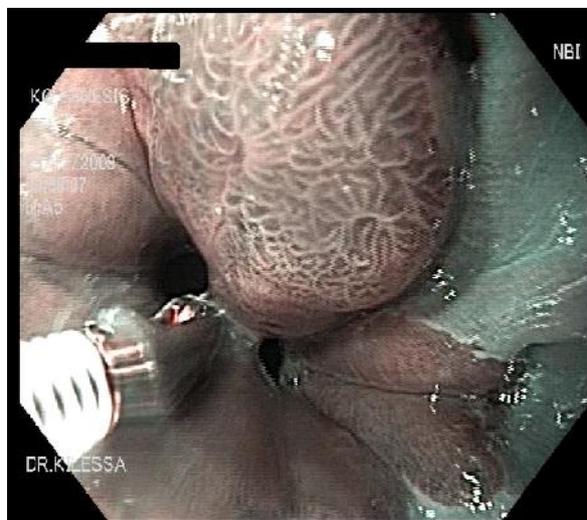
[9].

,+- ,++- ,+++-

OLYMPUS CX-41.

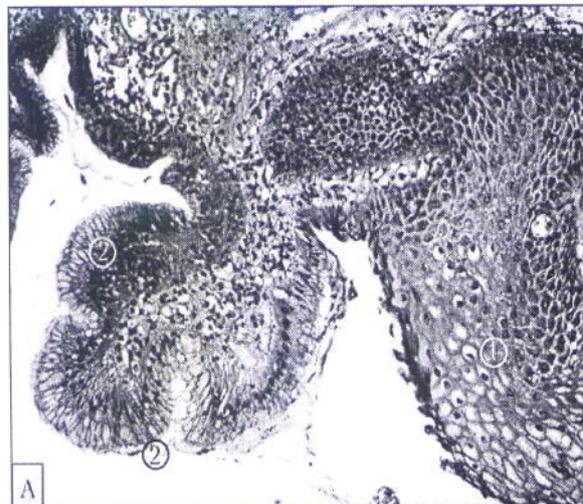


.1 .



.2 .

5,1±0,01%
 1,2±0,04%
 6,1±0,02%,
 1,5±0,01%
 (34%)
 (. 2 2 .)



.2 .

-1.

-2.

. 20 .

Ki67

23%
 7

11,7±0,03%

37,4±0,03%

(11,4±0,02%),
11 %

53

(12,3±0,02%).

20 (++)

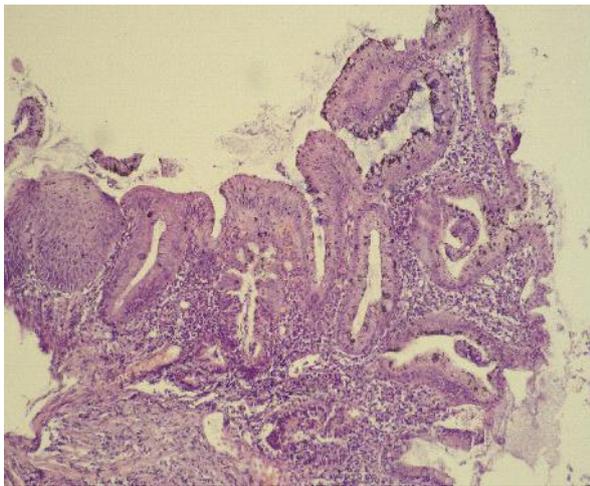
(.5).

18,1±0,02%
55,3±0,07%

20

53

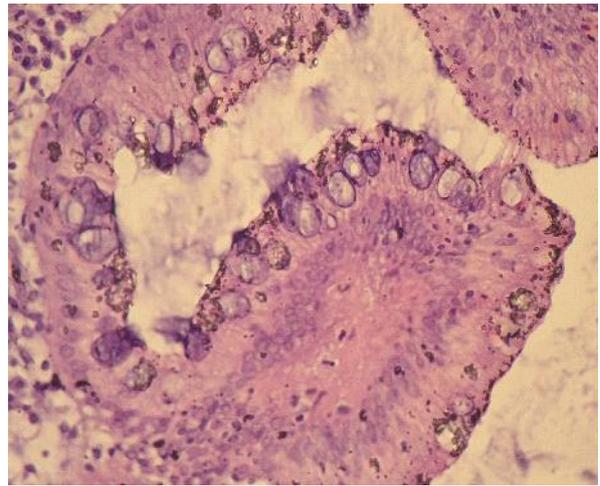
17,5±0,03%
41,7±0,03



.3 .

.20 .

24 %



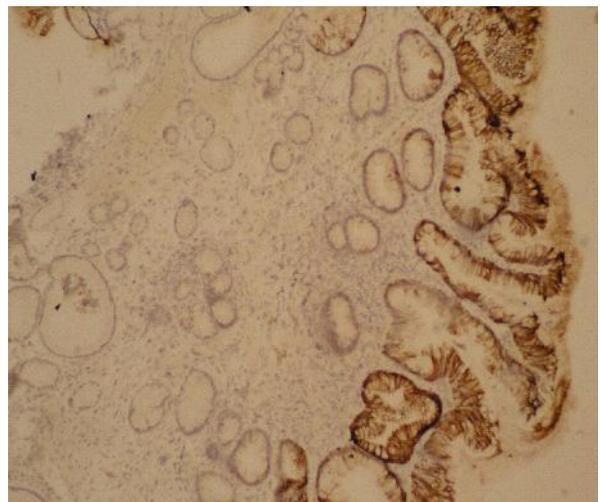
.3 .

.20 .

20

7

(.4).



.4.

20
(++).

.20 .

(.5).



.5.

(+++)

. . 200.

21,4±0,03%
- 57,6±0,01%.
18,3±0,02% 48,7±0,05%

9%

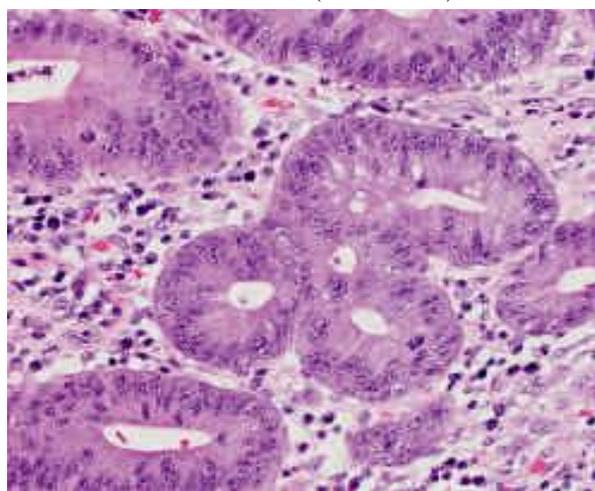
5%
4% -

42,5±0,03%

59,8±0,01%

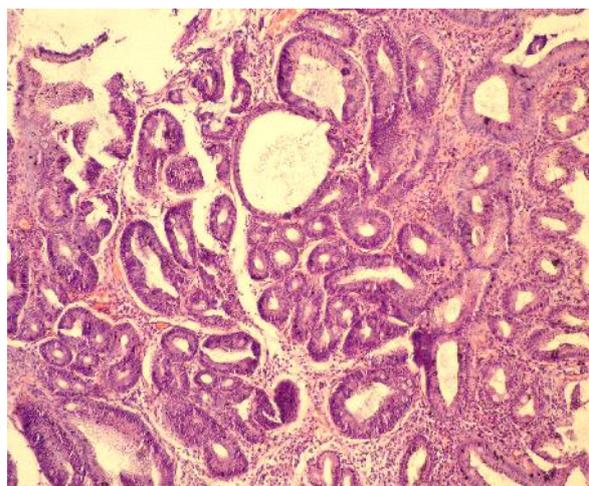
36,6±0,01% 53,5±0,04%.

(.6 6).



.6 .

. 20 .



.6 .

. 20 .

Ki67

72,3±0,05%

65,5±0,03%

53

(55,7±0,03% 65,4±0,03%),

93,7±0,05% (.7 , 7).

