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# MORPHOLOGICAL STATE OF THE STRUCTURE OF THE LARGE INTESTINAL TISSUE AFTER EXPERIMENTAL MINIGASTROSHUNT OPERATION

**Abstract:** This in the article thick intestine tissue experimental minigastroshunt from the operation next morphological changes research In the study animal from models using the operation after thick intestine cell and tissue at the level to the surface arrived pathological processes and again recovery mechanisms learned . Obtained results this shows that the operation after thick in the intestine inflammation processes and regeneration processes one at the time past This is observed . research gastroenterological and surgery in the field new approaches working to go out help gives .

**Key words:** Minigastroduodenectomy , colon intestine , morphology , experimental research , inflammation , regeneration.

## Login

Latest in years gastroenterological surgery development with intestine diseases in treatment new methods working Minigastroshunt is being performed . operation excess weight reduce and metabolic diseases in treatment effective is , its intestine to the structure impact less studied . Thick intestine from the operation next morphological changes study intestine functional status save stay and of the operation far term efficiency in providing important importance profession This will in research minigastroshunt from the operation then thick in the intestine to the surface coming cell level changes experimental in the model analysis was done .

## Home part

" Fat intestine tissue structure experimental minigastroshunt from the operation after morphological " status " topic experimental medicine and surgery to the field relevant research own inside This topic mainly thick intestine morphological changes , that is cell and of tissues structure analysis to do focused .

## Home goal :

- Experimental minigastroshunt ( stomach bypass) small bypass operation ) process after thick in the intestine to the surface coming changes study .
- Operation under the influence intestine wall structure status , update process and pathological changes to determine .

## The research main directions :

**Cell at the level changes :** From the operation then epithelial cells , glands and other in components to the surface coming regeneration or degeneration processes .

**Blood of the veins status :** Microcirculation , capillaries expansion or narrowing , as well as inflammation processes evaluation .

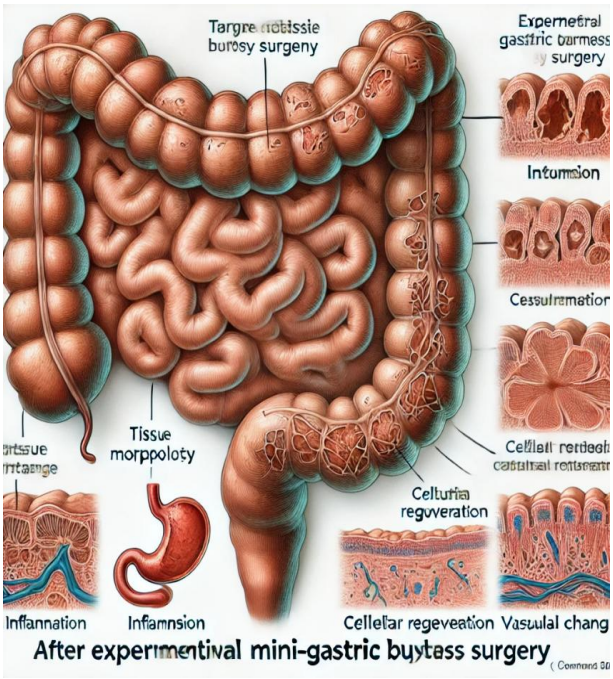
**Inflammation and fibrosis:** Thick in the intestine inflammation indicators and binder of tissues excess formation .

**Immunological answer :** From the operation after in the intestine to the surface coming immunological reactions .

**Practical Importance :** Like this research bariatric surgery ( obesity) treatment according to operations ) or intestine pathologies in treatment applicable new approaches working on the way out important importance Also , minigastroshunting of the operation far term effects to evaluate help gives .

Research materials and Methods : In experiments laboratory rats used . Animals two to the group divided : control group and operation group . Minigastroshunt operation standard in style Done , done. intestine various from departments biopsy samples The samples were taken . histological and immunohistochemical analyses was held .

Results : From the operation next initial in days thick in the intestine inflammation processes activation observed . Cell infiltration and swelling is observed , capillaries of the veins expansion record was made . The second per week starting , regeneration processes activated , epithelial of cells division and new blood veins harvest to be record Also , colloidal substance working issuer of cells activity increased determined .




Discussion : Research results this shows that minigastroshunting from the operation after thick in the intestine initial in stages inflammation process activates , but later regeneration processes started . This situation organism self restoration ability reflection It will bring . With this together , regeneration processes efficiency from the operation next care and treatment strategies related that observed .

**Conclusion**

Experimental minigastroshunt operation thick intestine morphological in the case of noticeable changes brought It will output . From the operation after inflammation processes and regeneration mechanisms balance intestine tissue in recovery important importance has . This research results minigastroshunt from the operation next treatment protocols in improvement scientific basis become service will do . In the future wider research transfer thick intestine tissue pathological changes further deeper study opportunity gives .

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