

## Prof. TARKAN KARAKAN

### Personal Information

**Email:** tkarakan@gazi.edu.tr

**Web:** <https://avesis.gazi.edu.tr/tkarakan>

### International Researcher IDs

ORCID: 0000-0003-1561-8789

ScopusID: 9433308400

Yoksis Researcher ID: 133833

### Education Information

Postgraduate, Gazi University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, Turkey 2002 - 2005

Postgraduate, Gazi University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, Turkey 1994 - 2000

### Dissertations

Postgraduate, Kolon poliplerinde K-ras mutasyonu sıklığı, Gazi University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 2005

Postgraduate, Meme kanserli hastalarda tükrük salgısı ve serumda adenozin deaminaz (ADA) ve süperoksit dismutaz (SOD) düzeylerinin önemi, Gazi University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 2000

### Research Areas

Health Sciences

### Academic Titles / Tasks

Professor, Gazi University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2014 - Continues

Associate Professor, Gazi University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2008 - 2014

### Advising Theses

KARAKAN T., Evaluation and Importance of Malnutrition in Inflammatory Bowel Patients, Expertise In Medicine, S.SOYLU(Student), 2020

KARAKAN T., Evaluation of relation between serum zonulin levels, depressive mood and anxiety in remission ulcerative colitis patients, Expertise In Medicine, T.ŞAHBAZOĞLU(Student), 2017

KARAKAN T., Relationship between disease progression and prognosis with inflammatory markers seen in first year after diagnosis in ulcerative colitis, Expertise In Medicine, R.EREN(Student), 2017

KARAKAN T., The effect of sleep disorders on activation of ulcerative colitis and cholangitis in remission, Expertise In Medicine, G.YAVUZ(Student), 2016

KARAKAN T., The effect of helicobacter pylori on blood lipid profile, Expertise In Medicine, H.Köklü(Student), 2014

KARAKAN T., Helicobacter pylori' nin kan lipid profili üzerine etkisi, Expertise In Medicine, H.KÖKLÜ(Student), 2014

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effect of Ramadan Fasting on Intestinal Microbiota and Fatty Acid Binding Protein 4 in Overweight and Obese Individuals**  
Selen H., Seylam-Küşümler A., KARAKAN T., Moral K.  
Journal of Gastrointestinal and Liver Diseases, vol.33, no.3, pp.330-338, 2024 (SCI-Expanded)
- II. **Surgical treatment of portal hypertension. Analysis of 116 consecutive cases**  
Dalgıç A., Sarı S., Sözen M. H., Eğritaş Gürkan Ö., Öztürk H., Kozan R., Ilgıt E. T., Kilic K., Erbaş G., Moral K., et al.  
TRANSPLANTATION, no.9, pp.655, 2024 (SCI-Expanded)
- III. **Prophylactic versus endoscopy-driven treatment of crohn's postoperative recurrence: A retrospective, multicentric, european study [porcse study]**  
Geldof J., Truyens M., Hanssens M., Van Gucht E., Holvoet T., Elorza A., Bouillon V., Barros S., Martins V., Argyriou K., et al.  
Journal of Crohn's and Colitis, vol.18, no.8, pp.1202-1214, 2024 (SCI-Expanded)
- IV. **World Gastroenterology Organisation Global Guidelines: Probiotics and Prebiotics**  
Guarner F., Sanders M. E., Szajewska H., Cohen H., Eliakim R., Herrera-deGuise C., KARAKAN T., Merenstein D., Piscocya A., Ramakrishna B., et al.  
Journal of clinical gastroenterology, vol.58, no.6, pp.533-553, 2024 (SCI-Expanded)
- V. **The influence of bowel urgency on the quality of life in individuals with ulcerative colitis**  
KARAKAN T., Dede A., Ozgul S., Karatas A., Cindoruk M.  
JOURNAL OF CROHNS & COLITIS, 2024 (SCI-Expanded)
- VI. **Association between visceral adipose tissue and disease duration, clinical activity, and response to various biological agents in inflammatory bowel disease**  
KARAKAN T., Coskun M., Bilican G., Demir B., Karatas A., Ekmen N., Moral K., Karakoc A., Cindoruk M.  
JOURNAL OF CROHNS & COLITIS, 2024 (SCI-Expanded)
- VII. **Compliance with Anti-TNF Alpha Treatment and Quality of Life of Inflammatory Bowel Patients: A Descriptive and Correlational Study**  
Ozturk E. S., Ucan S., KARAKAN T.  
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- VIII. **Determination of oral and gut mucosal microbiome profiles of patients with treatment-naive ulcerative colitis**  
KARAKAN T., Kurtulus N. O., Unsal B., İŞLER S. Ç., Akca G., Soysal F., Cindoruk M., Ulkar S. E., AÇIK L., Ergin M., et al.  
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- IX. **A phase IIa active-comparator-controlled study to evaluate the efficacy and safety of efinopegdutide in patients with non-alcoholic fatty liver disease**  
Romero-Gómez M., Lawitz E., Shankar R. R., Chaudhri E., Liu J., Lam R. L., Kaufman K. D., Engel S. S., Bruzone S. O., Coronel M. J., et al.  
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- X. **Effect of COVID-19 Pandemic on Hepatocellular Carcinoma Diagnosis: Results from a Single Turkey Center Study**  
BİLİCAN G., ÖZGÜL S., EKMEN N., Moral K., KÜÇÜK H., DUMANLI S., Abiyev A., KARAKAN T., KEKİLLİ M.  
Journal of gastrointestinal and liver diseases : JGLD, vol.32, no.3, pp.367-370, 2023 (SCI-Expanded)
- XI. **2D Shear Wave Elastography as novel tool for the assessment of disease severity in patients with IBD**  
DEMİR E., CİNDORUK M., KARATAŞ A., KARAKAN T., Kilic G., Ergin M., CERİT M. N., ÖZBAŞ C., ÖZHAN OKTAR S., UÇAR M., et al.  
JOURNAL OF CROHNS & COLITIS, 2023 (SCI-Expanded)
- XII. **Artificial intelligence-based personalized diet: A pilot clinical study for irritable bowel syndrome**  
KARAKAN T., GÜNDOĞDU A., Alagozlu H., EKMEN N., ÖZGÜL S., Tunali V., Hora M., Beyazgul D., Nalbantoglu O. U.  
GUT MICROBES, vol.14, no.1, 2022 (SCI-Expanded)
- XIII. **Risk of Malignancy Using the Diagnostic Categories Proposed by the World Health Organization**

**International System for Reporting Pancreaticobiliary Cytopathology.**

Gocun P. U., Simsek B., Ekinçi O., Ekmen N., Arhan M., Karakan T., Ibis M., Cindoruk M.

Acta cytologica, vol.66, no.6, pp.475-485, 2022 (SCI-Expanded)

- XIV. **Etrolizumab versus adalimumab or placebo as induction therapy for moderately to severely active ulcerative colitis (HIBISCUS): two phase 3 randomised, controlled trials**  
Rubin D. T., Dotan I., DuVall A., Bouhnik Y., Radford-Smith G., Mishkin D. S., Arrisi P., Scalori A., Oh Y. S., Tole S., et al.  
The Lancet Gastroenterology and Hepatology, vol.7, no.1, pp.17-27, 2022 (SCI-Expanded)
- XV. **World Gastroenterology Organisation Global Guidelines Diet and the Gut**  
Makharia G., Gibson P. R., Bai J. C., KARAKAN T., Lee Y. Y., Collins L., Muir J., ORUÇ N., Quigley E., Sanders D. S., et al.  
JOURNAL OF CLINICAL GASTROENTEROLOGY, vol.56, no.1, pp.1-15, 2022 (SCI-Expanded)
- XVI. **Changes in intestinal parameters and their association with dietary patterns in rotational shift workers**  
MORTAŞ H., BİLİCİ S., ÖZTÜRK H., KARAKAN T.  
CHRONOBIOLOGY INTERNATIONAL, vol.39, no.6, pp.872-885, 2022 (SCI-Expanded)
- XVII. **Strain-specific and outcome-specific efficacy of probiotics for the treatment of irritable bowel syndrome: A systematic review and meta-analysis**  
Mcfarland L., Karakan T., Karataş A.  
ECLINICALMEDICINE, vol.41, 2021 (SCI-Expanded)
- XVIII. **Low-Dose Lactulose as a Prebiotic for Improved Gut Health and Enhanced Mineral Absorption**  
KARAKAN T., Tuohy K. M., Janssen-van Solingen G.  
FRONTIERS IN NUTRITION, vol.8, 2021 (SCI-Expanded)
- XIX. **Gut-Brain-Microbiota Axis: Antibiotics and Functional Gastrointestinal Disorders.**  
KARAKAN T., ÖZKUL KOÇAK C., Kupeli Akkol E., BİLİCİ S., Sobarzo-Sanchez E., Capasso R.  
Nutrients, vol.13, no.2, 2021 (SCI-Expanded)
- XX. **Succinivibrionaceae is dominant family in fecal microbiota of Behcet's Syndrome patients with uveitis**  
Tecer D., Gogus F. N., Kalkancı A., Erdogan M., Hasanreisoglu M., Ergin Ç., Karakan T., Kozan R., Coban S., Diker K. S.  
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- XXI. **Trimebutine Maleate Monotherapy for Functional Dyspepsia: A Multicenter, Randomized, Double-Blind Placebo Controlled Prospective Trial**  
Kountouras J., Gavalas E., Papaefthymiou A., Tsechelidis I., Polyzos S. A., BOR S., Diculescu M., Jadallah K., Tadeusz M., KARAKAN T., et al.  
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- XXII. **The circadian disruption of night work alters gut microbiota consistent with elevated risk for future metabolic and gastrointestinal pathology**  
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- XXIV. **Intermittent fasting and gut microbiota**  
KARAKAN T.  
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- XXV. **Islamic fasting leads to an increased abundance of Akkermansia muciniphila and Bacteroides fragilis group: A preliminary study on intermittent fasting**  
ÖZKUL KOÇAK C., Yalinay M., KARAKAN T.  
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- XXVI. **Can pancreatic steatosis affect exocrine functions of pancreas?**  
TAHTACI M., ALGIN O., KARAKAN T., TAYFUR YÜREKLİ Ö., Alisik M., Koseoglu H., Metin M. R., Bolat A. D., EREL Ö., ERSOY O.  
TURKISH JOURNAL OF GASTROENTEROLOGY, vol.29, no.5, pp.588-594, 2018 (SCI-Expanded)

- XXVII. **Use of Proton Pump Inhibitors and risk of gastric cancer**  
KARAKAN T.  
TURKISH JOURNAL OF GASTROENTEROLOGY, vol.29, no.1, pp.143-144, 2018 (SCI-Expanded)
- XXVIII. **Determination of certain bacterial groups in gut microbiota and endotoxin levels in patients with nonalcoholic steatohepatitis**  
ÖZKUL KOÇAK C., Yalınay M., KARAKAN T., Yılmaz G.  
TURKISH JOURNAL OF GASTROENTEROLOGY, vol.28, no.5, pp.361-369, 2017 (SCI-Expanded)
- XXIX. **Fecal microbiota transplantation for treating recurrent hepatic encephalopathy: Ready for clinical application?**  
KARAKAN T.  
TURKISH JOURNAL OF GASTROENTEROLOGY, vol.28, no.5, pp.425-426, 2017 (SCI-Expanded)
- XXX. **European Crohn's and Colitis Organisation Topical Review on Environmental Factors in IBD**  
Maaser C., Langholz E., Gordon H., Burisch J., Ellul P., Ramirez V. H., KARAKAN T., Katsanos K. H., Krustins E., Levine A., et al.  
JOURNAL OF CROHNS & COLITIS, vol.11, no.8, pp.905-920, 2017 (SCI-Expanded)
- XXXI. **efficacy and safety of saccharomyces boulardii in the 14 day triple anti helicobacter pylori therapy**  
CİNDORUK M., KARAKAN T., ÜNAL S.  
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- XXXII. **Determination of probiotic concept product consumption among people of ages 14-65**  
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PROGRESS IN NUTRITION, vol.18, no.2, pp.111-117, 2016 (SCI-Expanded)
- XXXIII. **comparison of early enteral nutrition in severe acute pancreatitis with probiotic fiber supplementation versus standard enteral solution**  
KARAKAN T., CİNDORUK M., ÜNAL S.  
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- XXXIV. **EUS versus endoscopic retrograde cholangiography for patients with intermediate probability of bile duct stones a prospective randomized trial**  
KARAKAN T., CİNDORUK M., alagözlü h., ergun m., DURLU G. Ş., ÜNAL S.  
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- XXXV. **The efficacy of a through-the-scope sodium phosphate solution with completion colonoscopy on the same day as a salvage option for inadequate bowel cleansing**  
İBİŞ M., Onal I. K., ARHAN M., KARAKAN T., Karatay E., Utku O. G., Erdal H., DOĞAN İ.  
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- XXXVI. **Pancreatic metastasis in a case of small cell lung carcinoma diagnosed by EUS**  
KARAKAN T., Cengiz M., İBİŞ M., AKYÜREK N., Unal S.  
TURKISH JOURNAL OF GASTROENTEROLOGY, vol.26, no.1, pp.53-55, 2015 (SCI-Expanded)
- XXXVII. **Long-term antibiotics and PPIs induce bacterial translocation in patients with cirrhosis: Antibiotics are not always ANTI-biotics**  
KARAKAN T.  
Turkish Journal of Gastroenterology, vol.25, no.4, pp.472, 2014 (SCI-Expanded)
- XXXVIII. **Analysis of risk factors associated with complications of colonic stenting for malignant obstruction**  
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- XXXIX. **Fecal microbiota transplant in immunocompromised patients: Encouraging results in a vulnerable population**  
Karakan T.  
TURKISH JOURNAL OF GASTROENTEROLOGY, vol.25, no.3, pp.346, 2014 (SCI-Expanded)
- XL. **International Multidisciplinary Classification of Acute Pancreatitis Severity: The 2013 Spanish Edition Clasificación Internacional y Multidisciplinaria de la Pancreatitis Aguda: Edición española 2013**  
Patchen Dellinger E., Forsmark C., Lévy P., Shimosegawa T., Windsor J., Petrov M., Abu Hilal M., Ammori B.,

Bharwani N., Carter C., et al.

Medicina Intensiva, vol.38, no.4, pp.211-217, 2014 (SCI-Expanded)

- XXI. Gut microbiota modulation in cirrhosis: A new frontier in hepatology**  
Karakan T.  
TURKISH JOURNAL OF GASTROENTEROLOGY, vol.25, no.1, pp.126, 2014 (SCI-Expanded)
- XXII. Primary Squamous Cell Carcinoma of the Stomach: A Case Report**  
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- XXIII. Comparison of double balloon enteroscopy in adults and children**  
EĞRİTAŞ GÜRKAN Ö., KARAKAN T., DOĞAN İ., DALGIÇ B., Unal S.  
WORLD JOURNAL OF GASTROENTEROLOGY, vol.19, no.29, pp.4726-4731, 2013 (SCI-Expanded)
- XXIV. Determinant-Based Classification of Acute Pancreatitis Severity International Multidisciplinary Classification of Acute Pancreatitis Severity: The 2013 German Edition**  
Dellinger E. P., Forsmark C. E., Levy P., Petrov M. S., Shimosegawa T., Siriwardena A. K., Whitcomb D. C., Windsor J., Abu Hilal M., Abu-Zidan F., et al.  
ZEITSCHRIFT FÜR GASTROENTEROLOGIE, no.6, pp.544-550, 2013 (SCI-Expanded)
- XXV. PPAR alpha agonist treatment increases trefoil factor family 3 expression and attenuates apoptosis in the liver tissue of bile duct ligated rats**  
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Turkish Journal Of Gastroenterology, 2013 (SCI-Expanded)
- XXVI. PPAR-alpha agonist treatment increases trefoil factor family-3 expression and attenuates apoptosis in the liver tissue of bile duct-ligated rats**  
KARAKAN T., KEREM M., CİNDORUK M., Engin D., Alper M., Akin O.  
TURKISH JOURNAL OF GASTROENTEROLOGY, vol.24, no.2, pp.134-140, 2013 (SCI-Expanded)
- XXVII. Biodegradable stents for caustic esophageal strictures: a new therapeutic approach**  
Karakan T., Utku O. G., Dorukoz O., Sen I., Colak B., Erdal H., Karatay E., Tahtaci M., Cengiz M.  
DISEASES OF THE ESOPHAGUS, vol.26, no.3, pp.319-322, 2013 (SCI-Expanded)
- XXVIII. Significance of Proton Pump Inhibitor Types for Clostridium difficile Infection**  
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- XXIX. SYNBIOTIC THERAPY INCREASES ERADICATION RATE IN HELICOBACTER PYLORI ERADICATION**  
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- L. Determinant-based classification of acute pancreatitis severity: An international multidisciplinary consultation**  
Dellinger E. P., Forsmark C. E., Laver P., Lévy P., Petrov M. S., Shimosegawa T., Siriwardena A. K., Uomo G., Whitcomb D. C., Windsor J. A., et al.  
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- LI. Current endoscopic approach to indeterminate biliary strictures**  
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WORLD JOURNAL OF GASTROENTEROLOGY, vol.18, no.43, pp.6197-6205, 2012 (SCI-Expanded)
- LII. Prebiotics and Low Dose Synbiotics for Severe Acute Pancreatitis: Time for a Reappraisal ?**  
Karakan T.  
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- LIII. Probiotics: Should we be more definitive in terminology?**  
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EUROPEAN JOURNAL OF GASTROENTEROLOGY & HEPATOLOGY, vol.24, no.9, pp.1115-1116, 2012 (SCI-Expanded)
- LIV. Probiotics Are Sensitive Microorganisms: Lactobacillus Can Be Affected by Stomach Acid, Antibiotic, and Bowel Cleansing**  
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- LV. World gastroenterology organisation global guidelines: Probiotics and prebiotics october 2011**  
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- LVI. Two cases of Wegener's granulomatosis with pancreatic pseudocyst treated by endoscopic ultrasonography (EUS)-guided drainage**  
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- LVII. A case of tuberculosis diagnosed with EUS-guided aspiration biopsy.**  
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The Turkish journal of gastroenterology : the official journal of Turkish Society of Gastroenterology, vol.22, no.5, pp.555-556, 2011 (SCI-Expanded)
- LVIII. Imatinib mesylate-induced acute liver failure in a patient with gastrointestinal stromal tumors**  
Tonyali O., Coskun U., YILDIZ R., KARAKAN T., Demirci U., AKYÜREK N., Benekli M., Buyukberber S.  
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- LIX. EUS versus endoscopic retrograde cholangiography for patients with intermediate probability of bile duct stones: a prospective randomized trial**  
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- LX. The role of liver biopsy in the workup of liver dysfunction late after SCT: is the role of iron overload underestimated?**  
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- LXI. Hypertrophic colonic tuberculosis mimicking tumourous mass**  
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- LXIII. Small-volume gallbladders and decreased motility in patients with achalasia**  
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- LXIV. Identification of Helicobacter species by 16S rDNA PCR and sequence analysis in human liver samples from patients with various etiologies of benign liver diseases**  
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- LXV. Osteomalacic myopathy associated with coexisting coeliac disease and primary biliary cirrhosis.**  
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- LXVII. Apolipoprotein e gene polymorphism in nonalcoholic fatty liver disease**  
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- LXVIII. Peroxisome proliferators-activated alpha agonist treatment ameliorates hepatic damage in rats with obstructive jaundice: an experimental study**  
CİNDORUK M., KEREM M., KARAKAN T., Salman B., Akin O., Alper M., ERDEM O. A., Uenal S.  
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- LXIX. **Association between nonalcoholic fatty liver disease and coronary artery disease**  
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- LXX. **Coexistence of Mirizzi syndrome with adenomyomatosis in the gallbladder: report of a case**  
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- LXXI. **Efficacy and safety of Saccharomyces boulardii in the 14-day triple anti-Helicobacter pylori therapy: A prospective randomized placebo-controlled double-blind study**  
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- LXXII. **Brucella peritonitis and leucocytoclastic vasculitis due to Brucella melitensis**  
DİZBAY M., HIZEL K., Kilic S., Mutluay R., Ozkan Y., KARAKAN T.  
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- LXXIII. **Prevalence of IgA-antiendomysial antibody in a patient cohort with idiopathic low bone mineral density**  
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- LXXIV. **Comparison of early enteral nutrition in severe acute pancreatitis with prebiotic fiber supplementation versus standard enteral solution: a prospective randomized double-blind study.**  
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- LXXV. **Hepatic steatosis has no impact on the outcome of treatment in patients with chronic hepatitis B infection**  
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### I. Portal Hipertansiyonun Cerrahi Tedavisi. 96 Olgunun İncelenmesi

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## Supported Projects

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KARAKAN T., AKCA G., İŞLER S. Ç., AÇIK L., EKMEK N., ÖZMERİÇ KURTULUŞ N., ERGİN M., KARATAŞ A., YALINAY A. M., ÜNSAL F. B., et al., Project Supported by Higher Education Institutions, Ülseratif Kolit ve Periodontal Hastalık İlişkisinde Mikrobiyom Analizleri, 2021 - 2023  
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## Non Academic Experience

Johns Hopkins University School of Medicine