

New therapies for GI cancer under the track gastrointestinal oncology

Zubair A khan

GI & LIVER Clinic Doost Medical Complex Multan, Pakistan

New treatments are emerging in field of gastroenterology oncology and it includes advancements in gastroesophageal colorectal, pancreatic and anal canal carcinomas. FDA has approved angiogenesis inhibitor ramucirumab in unresectable, advanced or metastatic gastric and gastroesophageal junction tumors after therapy with fluoropyrimidines and platinum drugs. Trastuzumab is approved for locally advanced and metastatic HER-2neu positive gastroesophageal cancer only and PD-1 inhibitor, pembrolizumab, in heavily pre-treated patients with metastatic gastric cancer. The major findings were that it is feasible. In terms of toxicity, it is feasible with pembrolizumab to achieve a decrease in tumor size. Adjuvant imatinib has become a standard treatment in all patients with significant risk for recurrence after resection of primary GISTs. FDA also approved erlotinib hydrochloride in combination with gemcitabine for the treatment of patients with locally advanced, unresectable or metastatic pancreatic carcinoma. In colon cancer, the antiangiogenic agent bevacizumab is approved in combination with other agents. EGFR-1 (epidermal growth factor receptor 1) signaling pathway is thought to play a pivotal role in tumor growth and progress of colorectal cancer. Cetuximab targets an epidermal growth factor receptor (EGFR), which is found in about 80 percent of colorectal cancers and it's effective in patients with NO K-ras mutation. Erbitux is effective even if EGFR is not found in an individual tumor. In treatment of anal canal cancer traditionally treated with abdominoperineal resection, resulting in high rates of morbidity and local recurrence. Pioneering work led to the finding that radiation therapy (RT) combined with 5-fluorouracil (5-FU) and mitomycin results in high rates of local control and disease-free and colostomy-free survival without surgery.

Biography

Zubair A khan has completed his MBBS from Nishtar Medical College and Post-doctoral studies from Sheikh Zayed Hospital Lahore. Currently, he is working as a Consultant Gastroenterologist at GI & LIVER Clinic Doost Medical Complex Multan, Pakistan. He has published more than 15 papers in reputed journals.

drzubairgastroenterologist@gmail.com

Notes: