

Dr Rakesh Reddy
Consultant Medical Oncologist
Mahatma Gandhi Cancer Hospital & Research Institute
Visakhapatnam, India

Adjuvant treatment in colon cancer

Patient clinical details

- ⦿ 46y/ Male
- ⦿ Presented with features of intestinal obstruction
- ⦿ Past history – underwent Rt. Hemicolectomy for a Caecal growth in 2014. Post op HPR not available. No adjuvant therapy, no regular follow up.
- ⦿ Family history – mother had features of some abdominal malignancy; succumbed to it
- ⦿ Serum CEA is 98 ng/ml
- ⦿ He underwent left Hemicolectomy and left ileostomy

Post op histopathology..

- ⦿ Histopathology: Multifocal tumor. Largest lesion is in descending colon, with a larger distal lesion and smaller proximal lesion.
- ⦿ Poorly differentiated adenocarcinoma, extending up to serosa
- ⦿ Lymphovascular Invasion is present, Peri-neural Invasion is positive.
- ⦿ 11 out of 15 nodes involved.
- ⦿ Pathologically, pT3N2b

- ⦿ Proximal and distal lesions also showed features of a poorly differentiated adenocarcinoma (T1 and T2 respectively)
- ⦿ Overall: Stage3 colon cancer (multi focal)
- ⦿ Multifocality of the tumor and a personal and family history of (likely?) colon cancer

Adjuvant treatment

- ⦿ Started on adjuvant therapy with CAPOX regimen every 3 weekly
- ⦿ Given a total of 8 such cycles
- ⦿ Reasonably good tolerance
- ⦿ Developed grade 2 neuropathy towards the later cycles of chemotherapy
- ⦿ Required dose reduction of oxaliplatin in the last 2 cycles of chemotherapy

Follow up

- ⦿ 1 year in follow up; No features of recurrence
- ⦿ CEA and interval imaging are used in follow-up surveillance
- ⦿ Started on Aspirin as secondary prophylaxis

Additional considerations

- FFPE blocks were subjected to MMR analysis by IHC. Found to be deficient for MLH1 and MSH2; and proficient for MSH6, PMS2
- A possibility of Hereditary Non-Polyposis Colorectal Cancer (HNPCC) syndrome was suspected
- Genetic counseling was done and patient was advised to undergo further testing to look for this condition
- MSI analysis by NGS was done. Report is as yet awaited.
- This would be followed by screening of his children and siblings

© **Thank you!**