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## The Turkish oncology group efforts to validate the applicability of various chemotherapeutic doses and schedules in Turkish cancer patients

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The cancer treatment protocols including the dosing and schedule, overwhelmingly determined by the phase I-III studies designed in the developed world. The pharmacogenomic differences in countries outside of the developed world may make these dosing and schedule intolerable or ineffective. Toward this goal, several attempts made by the Turkish Oncology group to validate the applicability of various treatment protocols in Turkish cancer patients. These include, but not limited to: 1. The overall tolerated cumulative anthracycline dose of 144 breast cancer patients studied and the relative dose intensity rate was found to be 0.876 (0.42-1.06) which was consistent with the western literature. 2. The sunitinib tolerability and effectiveness studied in 102 renal cell cancer patients and although the rest of the side effects and survival data were comparable, close to 30 % of patients developed hypothyroidism that required treatment, which was unexpectedly high. 3. The tolerance of standard adjuvant treatment in 190 colon cancer patients studied and of the 5-fluorouracil (5-FU)-based chemotherapy group (n=141), 5% had a dose reduction because of toxicity and 73% were given the total planned dose and cycles, whereas these rates were 18.5 and 66% for oxaliplatin+5-FU treated group, respectively (p=0.66 and 0.44). 4. The 49 lung cancer patients treated with cisplatin based treatment studied for the toxicity and tolerance but a persistent toxicity or unexpectedly high intolerance is not observed. In conclusion, it is imperative for cancer specialists to study and report the treatment course of their own patients; develop management plans and allocate resources accordingly.

### Biography

Dr Nazim Serdar Turhal trained in Hematology, Oncology and Bone Marrow Transplantation at Mount Sinai Hospital in New York and appointed at Marmara University in Istanbul as Professor of Medicine and Director of Oncology. He has 56 peer reviewed publications and over 350 citations to them. He is a member of ASCO, ESMO and fellow of ACP. He is the national representative of Turkey in Balkan Union of Oncology and also member of EORTC colorectal cancer task force. He is board certified in Medical Oncology by American Board of Internal Medicine and European School of Medical Oncology.