8. SUMMARY

- Capecitabine an oral prodrug of 5FU is becoming increasingly popular.
- Common toxicity observed among the study population was anaemia (100%) followed by vomiting (39%), diarrhoea (35.9%) and hand and foot syndrome (23.4%).
- 25% of the patients were non responders.
- Age and location of tumor had no impact on the safety and efficacy of capecitabine.
- Male had higher incidence of toxicity as compared to that of females.
- No significant effect of capecitabine and 5FU with hepatic and renal dysfunction.
- No relationship of MTHFR 677 and MTHFR 1298 variant with response or toxicity was observed.
- TS 2R/3R were not good responders.
- Grade 3 global toxicity and poor response was observed with DPD.
- Population Pharmacokinetic modelling was described by using a one-compartment model with first order elimination. None of the covariate in the data set showed effect on any of the Pharmacokinetic parameters.