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Educational Qualification: Pharm.D.

Year of Registration: 2018

Project Supervisors:

Guide: Dr. K. Gowthamarajan, Professor & Head, Department of Pharmaceutics, JSS College of Pharmacy, Udhagamandalam – 643 001.

Research Abstract (Not more than 100 words: Please work on this space creatively to brand your Portfolio).

Low dose methotrexate (LDMTX) is the recommended first line drug of choice in rheumatoid arthritis patients of all levels of disease activity. Several genes coding for diverse enzymes and transporters involved in methotrexate disposition have been reported to be polymorphic. Few variations significantly alter MTX pharmacokinetics and alter efficacy while few predispose to MTX toxicity. Hence, the dose of methotrexate needs to be individualized based on pharmacogenetic approach. The aim of my research work is to determine the effect of genetic polymorphisms on low dose methotrexate pharmacokinetics and pharmacodynamics in rheumatoid arthritis patients in Tamilnadu and develop a population pharmacokinetic model for low dose methotrexate dosing individualization.

Fellowships: NIL

Awards & Scholarships (Top 5 of your achievements in short bullet points)

NIL

Way Forward: (Drop few lines (NMT 50 words) to describe where you position yourself in 5 years)

To develop a strong academic record by publishing papers in reputed journals and to position myself in an academic institution with adequate research facilities as faculty member after Ph.D.