Toxico – genomics and Pharmaco-dynamics

1. Introduction to Toxico – genomics
2. Conceptual study: - Drug interactions and incompatibility, Pharmacovigilance
3. Pharmaco-dynamics of different formulations used in Agadatantra
4. Study of pharmacology and usage of antidotes as per the Ayurvedic and contemporary science.
5. Fundamentals of pharmaceutics according to Ayurvedic and contemporary point of view.
6. Descriptive and comparative study of Upavisha in unison with Contemporary Toxicology.
7. Examination of poisons as per Contemporary and Ayurvedic Methods.
8. Descriptive study of sthavara visha, definition, classifications, classical signs and symptoms of poisoning including vanaspatic (phyto poison), khanija (mineral) and compound sthavara visha.
9. Detailed study of the contemporary knowledge about vishajanya Janpadodhavsaniya roga (community health problems due to poisons - Environmental pollution, water pollution, soil pollution, air pollution, Industrial pollutions etc. their features and management according to ancient and recent concepts.
10. Concept of Virudha aahara, Aahara visha and Satmyasatmyata in contemporary and Ayurvedic views. Conceptual study:- Drug interactions and incompatibility, Pharmacovigilance

Emergency medical management of poisoning

1. Emergency medical management of poisoning including preparation, administration and complications of antivenoms/antisera.
2. Concept of Diagnosing and Managing of Drug Induced Toxicity with respect to ayurvedic formulations.

4. General and specific treatment of different types of Jangama visha (animal poisons, insect poisons, snake bites and other zoonotic diseases).

5. Emergency medical management of poisoning including preparation, administration and complications of antivenoms/antisera.

6. Diagnosis and Management of Drug Induced Toxicity


8. Introduction of different instruments/equipments used in the examination of poisons.

TEXT BOOKS/ REFERENCES:

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10. Rasaratna samuchhaya
11. Vishavigyan - Dr. Krishna Kumar
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34. Agad Tantra - Dr. Shekhar Namboodri
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36. Jyotsnika
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