

## Ph.D. Shalakyia Tantra Syllabus for First 6 Months

1. Conceptualizing the research problem with identification, prioritization, rationale, background of the problem and formulation of research question in the field of Shalakyia Tantra.
2. Constructing research protocols which will serve as the guiding documents for the execution, monitoring and evaluation of the research specific to Shalakyia Tantra with literature review for the proposed research work.
3. Knowledge of different types of research designs- Descriptive, cross sectional, case control, cohort, RCT, qualitative etc.
4. Recent developments in the field of Shalakyia tantra and Ophthalmology, ENT and orodentistry.
5. Challenges specific to clinical and experimental trials in the field of Shalakyia Tantra.
6. Presentation and publication of research articles like Original articles, Clinical Trials, Meta-analyses, Systematic Reviews, Short communications, Case reports, Case series etc.
7. Critical appraisal of peer reviewed journal articles relevant to proposed work.
8. Knowledge of functioning of Institutional Ethics Committee for human trials and Animal Ethics Committee with procedure for approval of research proposal including development of consent form and patient information sheets.
9. Knowledge of use of databases e.g., Pubmed, Scopus, Shodhganga, Google scholar, Web of Science, Science Direct etc.
10. Knowledge of National programs specific to Shalakyia Tantra.
11. Knowledge of interpretation of current diagnostic tools specific to Shalakyia Tantra, e.g. OCT, FFA, VEP, VER, A scan, PTA, Impedance audiometry, refraction etc.
12. Ayurvedic interpretation of newer diseases of Eye, ENT and Dentistry.
13. Applied knowledge of various therapeutic procedures used in Netra rogas, Karna-Nasa-Mukha-Danta and Shirorogas.
14. Knowledge of common classical yogas and single drugs in Shalakyia Tantra
15. Fundamental knowledge of Sterilization and Anaesthesia in Shalakyia Tantra.
16. Knowledge of uses of Instruments/equipment for therapeutic procedures and their modified newer counterparts.