

TOXICOVIGILANCE: AN INEVITABLE PRECONDITION TO DRUG SAFETY SCRUTINY IN AYURVEDA

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India has a handful of poison centers to compensate for about 1.37 billion population of India. Therefore, a lot of under-reporting of poisoning cases occurs due to limited resources. The concept of Toxicovigilance encompasses the active detection, validation and follow-up of clinical adverse events related to toxic exposures in human beings. Toxicovigilance is genuinely medical and not only a statistical approach to human toxicity issues. In contrast to epidemiology, toxicovigilance is based on the in-depth medical assessment of acute or chronic intoxications on a personal basis, which needs elaborate data

Toxicovigilance is that the active method of distinguishing and evaluating the harmful risks existing in a community, and evaluating the measures taken to cut back or eliminate them. Through toxicovigilance; not just there is scope for Ayurveda to search out answers for toxicity problems, besides there is in depth scope for screening and regulation Ayurvedic formulations containing toxic medicine of herbal/metal/mineral origin. Although the technical term 'toxicovigilance' doesn't feature in Ayurvedic texts, it is essentially highlighted in Agada Tantra.

In fact, study of harmful medicine and ADR watching is an essential side of the toxicological section. it is the necessity of the hour to utilize the Ayurvedic restraint of toxicology to explore the challenges that Ayurveda Science is facing these days with regards to the drug safety and efficaciousness. a complete study of all potential disclosure related to Ayurvedic medicaments, risk assessment, prevention and management may be the first footstep during this explicit direction. At this time, the watchfulness of toxic medicine is to be done by considering the rules on raw drug assortment, pharmaceutical process, indications, contraindications, dosage, and antidotes (prativisha) as mentioned in Ayurvedic treatises. Thus, knowledge of toxicovigilance may be effectively applied in monitoring drug safety in Ayurveda.

Recent Publications

- A Critical Review of Pharmaceutico-Analytical works done on Rasamanikya-(A Special Drug of Ayurved)- Pharmaayurved online Research Journal for Pharmacy, Ayurved and Allied Sciences, Vol. 2, Issue-05, September-2018.
- Efficacy and Usefulness of Visha dravyas in Rasaushadhis (HMPs), Journal of Traditional Medicine & Clinical Naturopathy, J Tradit Med Clin Natur, Volume 7, Issue 2, 1000267, 2018
- A Methodical Qualitative and Quantitative Study of Sublime "Violet Poison" w.s.r. to Rasakarpura, International Journal of Development Research, Vol. 08, Issue, 01, pp.18584-18588, January, 2018.
- The Concept of Vamana by Sukshma tamra raja in Garavisha chikitsa: A review. Int. J. Res. Ayurveda Pharm. 2017; 8(5):102-105 <http://dx.doi.org/10.7897/2277-4343.085254>
- A Pharmaceutico – Analytical Study of Varuna Shigru Guggulu- An Anubhuta Yoga, World Journal of Pharmacy and Pharmaceutical Sciences, Vol 7, Issue 1, 2018

Biography

Dr. Sushant Sud, graduate of Shri Gulabkunverba Ayurved Mahavidyalaya, Jamnagar is presently working as Asst Professor in the department of Agad Tantra, Shri Gulabkunverba Ayurved Mahavidyalaya, Gujarat Ayurved University, Jamnagar. He has completed M.D in the subject of Rasashastra from SDM College of Ayurved and Hospital Udupi, Karnataka. He is recipient of Bharat Vikas Award by the Institute of Self Reliance Bhuvneshwar, Odisha for the Loyalty, Diligence & Outstanding Performance in the field of Ayurveda Aushadha Nirmaan Shastra on the occasion of "Citizen's Day 2017. He was invited as a Keynote speaker on the Topic "Toxicological updates in Ayurved Research and Development" in the 5th International Conference on Ayurveda, Unani, Siddha and Traditional Medicine (ICAUST), IIM, University of Colombo, Sri Lanka. After perusing his course from Indian Institute of Public Health (IIPH) Gandhinagar he is working as Health safety Consultant for many corporate companies and has delivered many guest lectures and awareness camps on Role of Ayurved in chronic diseases and lifestyle related disorders, Ayurved at national as well as international platforms including corporate sectors too. He has represented Gujarat Ayurved University by taking a lecture on Role of Ayurved-Yoga and Health for cadets going to be posted at Indo-Bhutan and Indo-China Borders at Sashtra Seema Bal, ATC, Jamnagar, Gujarat, India. He has 3 referral books under his belt. He has presented several papers in different international, national and state level seminars/conferences in the subject of Rasashastra and Agad Tantra. He has received best papers awards in many seminars and has published

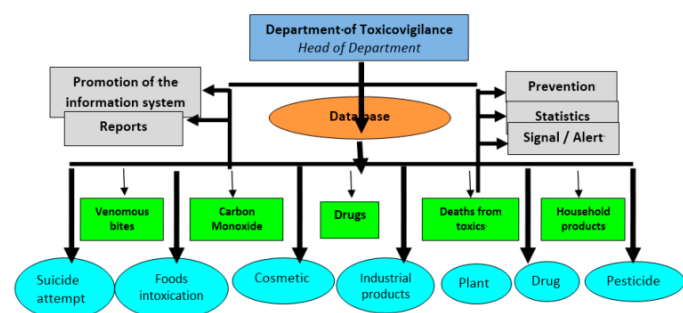


Fig: Flowchart of Toxicovigilance

more than 25 papers in different peer reviewed international journals and around 5 articles in peer reviewed international magazines. He is Editorial Member for JAYUSH, WJPPS, Ayushdhara, JONAM and is working as Peer Reviewer for Pharma Ayurved Journal for Research in Pharmacy and Ayurved, IJAPC, Saudi Medical Journal. He is Life Member of International Academy of Ayurved, Pune, All India Ayurved Congress, New Delhi and Ayush Medical Association, India- A National Organization of AYUSH Doctors.

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Foot Note: This work is partly presented at 3rd International Conference on Toxicology and Clinical Toxicology