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Title	Details
Abstract ID	849
Abstract Title	Chemical standardization and pharmacological aspects of Ayurvedic new formulation (Body Revival??)
Name	Dr. Tapas Kumar Sur
Tracks	Advances in Ayurvedic Materia Medica and Pharmaceutics
Theme	Drug standardisation and quality issues
Purpose	Based on Vedic knowledge and techniques, a new herbal formulation (Body Revival??) is prepared for rejuvenating physical and mental abilities against environmental toxins as well as lifestyle disorders. The purpose of this study was to evaluate the chemical nature of the prepared formulation and its preclinical efficacies in experimental animals.
Methods	The physicochemical properties, nutritive aspects and chemical identities of test drug and its ingredients were evaluated by GLP guidelines and using sophisticated instruments like AAS, HPLC and HPTLC. Toxicity was measured using OECD guidelines in animals. In vitro platelet aggregation was measured by Chrono-Log Aggregometer. Mental and physical endurance was studied in swim exercise stress induced performance for 10 days therapeutic regimen in rats.
Results	Physicochemical parameters showed within the Ayurvedic Pharmacopeia???s range. It has maximum carbohydrate and fibres with lesser amount of protein and practically zero fat. It contains low sodium concentration. Body Revival?? contains 330.79 kcal/100 g. HPTLC fingerprint exhibited 84.19% area at Rf 0.54. HPLC chromatogram confirmed presence of phenolic acids like, gallic acid, p-Coumaric acid and apigenin in the test sample. Body Revival?? showed practically non-toxic in animals. It has the abilities to inhibit blood platelet aggregation induced by ADP and collagen. Body Revival?? also significantly improves physical performances and mental abilities in rats. It significantly and dose dependently lowers two important biochemical markers for physical endurance like, blood lactate and creatinine kinase.
Conclusion	From the above findings, it may conclude that Body Revival?? has natural rejuvenating properties to protect body from untoward conditions.
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