

Fundamental & Collaborative Studies

2013-14

- No. of studies concluded: 12
- No. of studies initiated: 23
- No. of studies ongoing: 10
- No. of articles published: 25

| s.no | Title of research study | Period of study | Brief Outcome | Publication source |
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| Concluded: (5) | | | | |
| 1. | Role of homoeopathic medicines in cancer regression and rejuvenation of depressed immune system: a mechanism study | March/ June 2012 – July 2013 (concluded) | The study explored the genomic-proteomic factors responsible for cancer cell apoptosis for each remedy, and will validate that each drug type has its unique mode of action on cancer cell line. | International Journal of Oncology 2015; 47(2):573-82. |
| 2. | Efficacy of Homoeopathic Therapy on duration of labour. | Oct 2012 – Sep 2013 (concluded) | Duration of labour was analyzed under different parameters. The result was not encouraging in almost all parameters due to small sample size, but 3rd quartile in the homeopathy group the duration of labour is slightly lower than the placebo group. It indicates a large sample size may give significant result in favor of homeopathy group. | Manuscript preparation in process. |
| 3. | Safety and efficacy studies of Homoeopathic drugs | March/ June 2012 – May 2013 (concluded) | The study revealed the anti-inflammatory, analgesic and acute & sub-acute toxicity of the study drugs (<i>Bellisperennis</i> , | Indian Journal of Research in Homoeopathy 2014;8:81-6 |

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| | | | <p><i>Curcuma longa</i>, <i>Rauwolfia serpentine</i>, <i>Ricinus communis</i>, <i>Tribulus terrestris</i> and <i>Terminalia arjuna</i>) in mice model, which will further help to standardize the mentioned drugs and their clinical uses.</p> | |
| 4. | <p>Preliminary pharmacological studies of Homoeopathic drugs</p> | <p>March/June 2012 – May 2013 (concluded)</p> | <p>This study threw light on anti-convulsant and cardiovascular activity of mother tinctures of <i>Bellisperennis</i>, <i>Curcuma longa</i>, <i>Rauwolfia serpentine</i>, <i>Ricinus communis</i>, <i>Tribulus terrestris</i> and <i>Terminalia arjuna</i> in mice model.</p> | <p>Indian Journal of Research in Homoeopathy 2015;9: 42-48</p> |
| 5. | <p>Changes in Electro Physiological markers in muscle fatigue with homoeopathic preparation of <i>Arnica montana</i> – A comprehensive study.</p> | <p>Feb 2011 – March 2014 (concluded)</p> | <p>The study was conducted to understand the scientific outcome using the tools for assessment of muscle fatigue done with appropriate physiological multilevel parameters. The exploratory trial was aimed at measuring muscle fatigue using techniques like Impedance Plethysmography (IPG), Electromyography (EMG), Photoplethysmography (PPG), Pulse Transit Time (PTT), Electrocardiography (ECG) and scales like</p> | |

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| | | | Visual Analog Scale (VAS) & Rate of Perceived Exertion (RPE) in subjects before and after administration of study drug. The study achieved its required sample size and data of subjects is under process for statistical evaluation. | |
| Initiated: (3) | | | | |
| 6. | Evaluation of anti-fungal activity of certain Homoeopathic medicines on growth of human pathogenic fungi " <i>Candida albicans</i> " using in-vitro assays. | December 2013 | To see the effect of selected Homoeopathic medicines in <i>Candida albicans</i> . | --- |
| 7. | Evaluation of anti-fungal activity of certain Homoeopathic medicines on growth of human pathogenic fungi " <i>Aspergillusniger</i> " using in-vitro assays. | December 2013 | To see the effect of selected Homoeopathic medicines in <i>Aspergillusniger</i> . | --- |
| 8. | Evaluation of anti-fungal activity of certain Homoeopathic medicines on growth of human pathogenic fungi " <i>Microsporumcanis</i> " using in-vitro assays. | December 2013 | To see the effect of selected Homoeopathic medicines in <i>Microsporumcanis</i> . | --- |
| Ongoing: (2) | | | | |
| 9. | A multicenter study on action of homoeopathic medicines and potencies on heart | April 2009 | A multi centric study on action of homoeopathic medicines and potencies on heart | --- |

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| | rate variability (HRV) and blood flow variability (BFV) with medical Analyzer System | | rate variability (HRV) and blood flow variability (BFV) using medical analyzer system was undertaken with the aim to explore the validation of effectiveness of homoeopathic preparations on physiological variabilities. It has been concluded that it is possible to record the response of homoeopathic medicines on physiologic parameters of the autonomic nervous system. | |
| 10. | To evaluate certain homoeopathic medicines for their immuno-modulatory and antioxidant potential. | April 2009 | The study helped us to understand the specific action of homoeopathic medicines both in-vivo and in-vitro for their immuno-modulatory and antioxidant potential | --- |

Publications:

1. Effect of homeopathic preparations of *Syzygiumjambolanum* and *Cephalandraindica* on gastrocnemius muscle of high fat and high fructose-induced type-2 diabetic rats. *Homeopathy (2013) 102, 160-171.*
2. Preliminary investigation on ultrahigh diluted *B. vulgaris* in experimental urolithiasis. *Homeopathy (2013) 102, 172-178*
3. Homeopathic treatment of patients with influenza-like illness during the 2009 A/H1N1 influenza pandemic in India. *Homeopathy (2013) 102, 187-192*
4. *Calcarea carbonica* induces apoptosis in cancer cells in p53-dependent manner via an immuno-modulatory circuit. *BMC Complement Altern Med. 2013 Sep 21;13(1):230.*
5. Contribution of ROS p53 feedback loop in thuja induced apoptosis of mammary epithelial carcinoma cells. *Oncology Reports 2014 Jan 24.*

6. Propitious antioxidative role of the homeopathic preparation of *Berberis vulgaris* in alleviating oxidative stress in experimental urolithiasis in *ForschKomplementmed* 2014;21:7-12.