

Effect of Dazzle Oil Application on Joint and Back Disorders



Dept. of Ayurved, ESI scheme, Govt. of Gujarat , Vadodara

[Dr. Amarish Pandya (M.D.(Ayu.) Ph.D.) Dr. Daxa Munia B.A.M.S. Dr. Dinesh Varia B.A.M.S. Dr. Shrilekha Chite(M.D. (Ayu.))

Dr. Vandana Mahant (B.S.A.M.)]

TREATMENT ON SIGNS AND SYMPTOMS

Effect on pain in Joints in 25 patients

The local application of Dazzle oil with hot fomentation Yoga and acupressure treatment provided 53% relief in joint pain within a week which was statistically highly significant ($P < 0.001$). The initial mean score for joint pain 1.28 was brought down to 0.6 after the treatment.

- ❖ **Effect on Swelling:** The treatment provided 22.2% relief in swelling with reduction of mean score to 0.28 from initial 0.36, however statistically it was not significant ($p > 0.10$).
- ❖ **Effect on Stiffness:** The mean score for stiffness decreased to 0.16 from initial 0.32 with 50% relief after the treatment, which was statistically significant ($p < 0.05$).
- ❖ **Effect on Tenderness:** The relief in tenderness was 75% with reduction of initial mean score 0.16 to 0.04. However, it was found in very few patient and statistically insignificant ($p > 0.10$).

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EFFECT ON FUNTIONAL CAPACITY

- ❖ **Effect on Walking Time:** To assess the functional capacity walking time, handgrip power and foot pressure were measured. Initial mean walking time 33.64 seconds decreased to 30.84 seconds, thus, provided 8.0% improvement, statistically which was highly significant ($P < 0.001$).
- ❖ **Effect on Hand Grip Strength:** Handgrip strength was initially 135.4 mm of Hg, which increased to 143.4 mm of Hg with 6.2% improvement after the treatment. Statistically it was significant ($P < 0.001$).
- ❖ **Effect on Foot Pressure:** Significant ($P < 0.001$) improvement of 9.69% was noticed in foot pressure strength with increase of initial mean foot pressure from 18.56 to 20.36.

EFFECT ON GENERAL ACTIVITY:

Initial mean score for general activity 0.40 increased to 1.12 after the treatment, thus, 64% improvement was found in general activity of the patients, which was highly significant ($P < 0.001$).

OVERALL EFFECT OF THE TREATMENT:

After the 6 days treatment 76% of the patients obtained minor improvement (upto 50%) in all the signs, symptoms and functional capacity. 8% of the patients found with major improvement (more than 50%), where as 15% of the patients remained unchanged.