

DR. SUNIL K. GUPTA

Consultant Pediatrician & Neonatologist
SMS Medical College and Satellite Hospital,
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Education

PhD. (Environmental Sciences) - Univ. of Rajasthan, India
M.D. (Pediatric Medicine), - SMS Medical College, Jaipur, India
M.B.B.S. - Medicine & Surgery - SMS Medical College, Jaipur, India

Awards & Contributions to the Society:

- Award for prestigious work in pediatric gastroenterology (awarded in International conference of Gastroenterology)
- Best Doctor award of Satellite Hospital Banipark
- Field camps for providing health services in the rural areas
- Talks on Television & Radio and mention in local and national newspapers

Research Interests:

- Fluorosis
- Nitrate Toxicity
- Cerebral Perfusion (Down Syndrome, Mental Retardation)

DSCare— What can parents expect and when ?

- Improvement in day-to-day activities.
- Development of monosyllabic language skills.
- Interest in social surroundings.
- Attention span improvement.
- Response to verbal instructions.
- Development of self-help skills: Bathing, eating etc.
- Improvement in learning, reading in school.
- Mixing with peers and participating in group activities.

Results vary with age, weight and medical history.
On an average results are visible after 90-120 days of regular administration of DSCare.

Read our success stories on

<http://www.krassindia.org/downsyndrome.htm>

email us at
info@krassindia.org

OUR VISION

Discovering pure and wholesome herbal supplements to cure and prevent medical disorders.

KRASS INDIA

Krass India is a non-profit organization dedicated to improving the quality of life of people with various medical problems. The organization has been providing public services for 14 years and is well recognized for its breakthrough research in dealing with many endemic diseases facing our community.

Our visionary and chief scientist Dr. Sunil Kumar Gupta, is well known for his contributions to the community and has been widely recognized for his work. His work with physically challenged children led to the creation of KRASS India with the single most important objective of bringing to the sufferers of debilitating diseases, a cure rather than painful survival.

CONTACT US

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HERBAL NUTRITIONAL SUPPLEMENT FOR DOWN SYNDROME

DSCare

hope...natural and pure

krassindia



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info@krassindia.org

DSCare- Herbal Nutritional Supplement for Down Syndrome

DOWN SYNDROME

Down syndrome, a chromosomal disorder, occurs when, the normal chromosomal pattern (21,XY or 21,XX) is replaced by an abnormal chromosomal pattern at chromosome no. 21 (47 XX, +21 or 47XY, +21). It occurs in approximately 1:700 live births (Recently reported as 1:1000 or 1:1100)

Findings

Apart from abnormal faces and other clinical presentations, the major histological findings in brain in cases of Down syndrome are*:

- Overall decrease in the efficiency of cellular metabolism in neural tissues,
- decrease in the spinous processes along the apical dendrites of the pyramidal neurons,
- lack of granular cells, specially that of spinous stellate granular cells,
- early appearance of neurofibrillary tangles, senile plaques or both in ages of 30-40 years,
- incomplete Myelination or delayed in some cerbro cortical regions such as fronto temporal lobes, especially in U fibers and in cerebellor cortex.

Though neural cells do not reproduce or grow after 2nd year of the postnatal life, but there is a definite increase in surface area as they grow. This leads to an increase in demand for energy to maintain the resting membrane potential as well as sustain the on going neuronal activity. This energy demand can only be met by increasing the regional blood flow to the effected area.

In normal functioning tissue, cerebral blood flow and metabolism are coupled, termed as local cerebral metabolic rates for glucose (LCMRglc). LCMRglc can be measured by functional brain imaging viz. Positron emission tomography (PET) and single photon emission computed tomography (SPECT). Both methods are capable of detecting functional changes in the brain.

Treatment

At this time, there is no known therapy available to improve the functioning of neural cells in cases of Down Syndrome. Conventional therapies like early intervention therapy are primarily based on physiotherapy and produce slow improvement.

Research group at Krass India have developed a herbal supplement from pure natural resources to restore the proper activity of neural cells in all areas of brain for down syndrome cases.

* Chugani HT. Functional brain imaging in pediatrics. The pediatric Clinic of North America. 1992; 4: 777-799.

DSCare

The revolutionary Herbal Nutritional Supplement has been successfully administered to over 600 individuals since 1987 all across world with varying degree of mental health and genetic disorders (Down Syndrome or Mental Retardation). Individuals in the age group of 3-12 years have seen tremendous improvements in their day-to-day activities which has helped parents deal with the situation.

Characteristics and Usage

- Mildly bitter in taste.
- Shelf life of 2 years

The dosage is customized based on weight and age of the individual child. Administration requires mixing in butter milk (prepared with cow milk only) or almond oil ingested in two divided doses on empty stomach with milk. Total duration of administration varies by child but usually results can be realized starting 90-120 days of regular administration. On an average a child will require about 2-3 years regular administration for lifelong benefit.

Ingredients

Zingiber officinale, Embelia ribes, Convolvulus microphyllus, Asparagus racemosus, Terminalia chebula, Tinospora cordifolia, Bacopa monnieri, Achyranthes aspera.

(For more details on the above herbs, please visit our website at www.krassindia.org)

Known Side effects

- DSCare should not be used for those who have or are prone to convulsive disorders.
- Not advisable for children less than 1½ years of age (or till the child starts getting some solid food). Exception to this can be made on review of the medical history on case by case basis.
- No brain stimulants either in form of drug (e.g. Pseudoephedrine) or in form of eatables should be administered for the duration of taking the supplement e.g. tea, coffee, coca, chocolates, beverages etc. Other restricted eatable are jaggery and mango products.