

Krass India

Case Studies for Herbal Nutritional Supplement for Down's syndrome

Child Name: Rakhi

Location: Jaipur, India

Age at Pre-treatment: 4 years

Diagnosis: Down's syndrome (Delayed speech and development)

Pretreatment evaluation – Nov 16th, 1999

All milestones usually reached in case of a regular child were delayed in case of Rakhi. She was not able to perform day-to-day activities in form of self-help skills (Brushing, eating, dressing, undressing etc.). No Social help skills had been developed. Her speech was monosyllabic and could not be comprehended clearly. She was able to sit but not able to walk without support. She did not have the capability to grasp things related to preschool performance (body parts, animal recognition etc.) and there was no sign of her performing any extracurricular activities.

A SPECT brain was carried out which indicated hypo-perfusion in all areas of brain. A detailed work plan was also prepared before starting the treatment. (See SPECT image below)

Supplementing with herbal nutritional supplement:

We put her on the Herbal nutritional supplement developed by Krass India, which was administered to her as per guidelines on regular basis. Close monitoring was done to see any adverse reaction to the nutritional supplement. Once she was comfortable with the dose, a training model was developed for her to observe improvements in her regular day-to-day working.

Post treatment evaluation (August 18th, 2001 – 21 months later)

After completion of 21 months of supplement, we compared Rakhi's pre-treatment evaluation to current and her parents were very happy with her progress and performance while she was on the Herbal Nutritional Supplement. Rakhi could walk, run and play as any regular child. She mixed very well with peer age group children and developed social help skills. She started helping her mother in housework and her reflexes response developed exceptionally well. She was able to do mouth rinsing, hand washing, brushing, bathing, dressing, undressing, and eating all by self without any support. She developed toilet control and bowel control also. She developed normal speech, which was much easier to comprehend than earlier, but there was potential for further improvement. She recognized names of all the body parts, animals, birds, vegetables, fruits, vehicles, and, general kitchen and household items. She started identifying most major colors like red, green and yellow colors, and regular shapes like circle, triangle and square. She showed interest in dancing and started dancing to tunes she heard around. She started attending play school and mixed well with children. She could pronounce and recognizes alphabets but still had difficulty in writing.

Post treatment SPECT brain indicated significant improvement in perfusion of hypoperfused areas of brain. (Look below for images)

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Pre Treatment

Post treatment

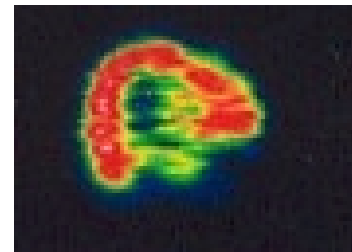
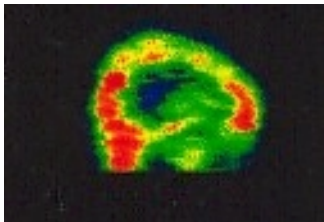


Rakhi

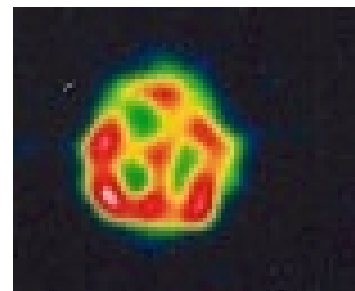
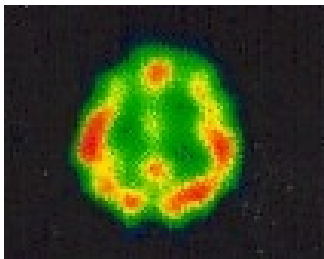
Brain SPECT – HMPAO

Pre Treatment
16-11-1999

Post Treatment
18-08-2001



Sagittal slice



Coronal slice

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