

Impact of soyladoo feeding on biochemical analysis of malnourished pre-school children

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Malnutrition is the greatest threat to global public health. It has estimated that 178 million children are malnourished around the World. Whereas 40 per cent children are found under nourished among them 6.4 per cent are estimated severely malnourished in India. Hence, supplementary feeding must be the additional nutrients which are providing for the optional growth and desirable change in health status. Supplementary foods must be based on the formulation of the required nutrients for the treating of malnutrition, return the child to physiological, immunological and biochemical normality. The organoleptically high scored soyladoo was prepared analyzed for nutritional qualities likes major nutrients such as energy (470.0 kcal), proteins (20.1 g) and fats (22.0 g) content found more in soyladoo. The micro nutrients such as iron (6.3 mg), zinc (3.8 mg) and calcium (286.5 mg) were also observed higher range in soyladoo. Soyladoo has also shown very low production cost. Hence, it was found very cheap and affordable to the below poverty line group of children. The soyladoo was given @50 g/child/day for six months. The biochemical parameters such as haemoglobin g/dl, serum protein g/dl, blood glucose level mg/dl; serum vitamin A μ /dl, serum iron μ g/dl and serum zinc μ /dl were analyzed for the every month of interval during research work. Soyladoo supplementation shown a highly significant effect on increasing blood glucose level, blood haemoglobin, serum protein, serum vitamin A, serum iron and serum zinc status of preschool children.

Key Words : Clinical examination, Soyladoo, Supplementary feeding

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