AN EFFECT OF SIDDHA FORMULATION BRAMI NEI IN RECENT RESEARCHES OF MANTHA SANNI (AUTISM SPECTRUM DISORDER) IN CHILDREN – A REVIEW

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ABSTRACT

Siddha is considered as the mother medicine of ancient Tamil/Dravidians in India. The Siddha medicine meant to the human body are prepared, based on the theory of panchabuthas. In that way Autism spectrum disorder is the world most common disorder in Children. Socioeconomic status may be one of the fundamental indicators for ASD in India. Although there are many existing therapy in modern world till now there is no complete cure for ASD in children. Most of the formulation acting on psyche are ghee based. It is well established that the drugs to have its action on brain should have the capacity to cross the blood brain barrier and for the purpose ghee based Brami nei is recommended for ASD in children. Hence It may be to cure the Mantha sanni (ASD). Further study is recommended.

KEYWORDS: Panchabuthas, ASD, Brami nei, Blood brain barrier.

INTRODUCTION

Siddha is considered as the mother medicine of ancient Tamil/Dravidians in India. The Siddha medicine meant to the human body are prepared, based on the theory of panchabuthas. In that way Autism spectrum disorder is the world most common disorder in Children. It is a neurodevelopmental disorder and behavioural syndrome present from early life and defined by deficient social interaction, language and communication and play. In the all over the world, the surveillance study identified 1 in 68 children suffering with ASD. In
India, the prevalence ratio is 1:46. It is about 4.5 times more common among boys (1:48) than among girls (1:189). The higher prevalence rate was observed in the rural area. Socioeconomic status may be one of the fundamental indicators for ASD in India.

Although there are many existing therapy in modern world till now there is no complete cure for ASD in children. Most of the formulation acting on psyche are ghee based. It is well established that the drugs to have its action on brain should have the capacity to cross the blood brain barrier and for the purpose ghee based Brami nei\(^1\) is recommended for ASD in children. It is to rejuvenate the mind, enhance memory and concentration and to directly influence the quality of consciousness. It enhances the functions of nervous tissue. They are simultaneously calming, stimulating, improving day time alertness and focus while reducing stress and improving the quality of sleep. It also reduced the oxidative stress, activate the serotogenesis and cholinergic system, enhancement of synaptic plasticity, increase the metabolism of neurotransmitters and also enhances the nerve impulse transmission. Hence It may be to cure the Mantha sanni\(^2\) (ASD). Further study is recommended.

**Ingredients to Brami Nei**

- *Bacopa Monneri*
- *Acorus calamus*
- *Alpinia galangal*
- *Operculina turpethum*
- *Piper longum*
- *Limonia acidissima*
- *Zingiber officinalae*
- *Emblica myrobalan*
- *Curcuma aromatica*
- *Sodium chloride (Rock salt)*
- *Sugar candy*
- *Cow’s Milk*
- *Cow’s ghee*
Recent Researches of Brami nei

1. *Bacopa Monneri*- gpukpat of; if (waterhyssop)
   Recent Research: Neuropharmacological Review of the Nootropic Herb Bacopa monnieri.\cite{3}

2. *Acorus calamus* (Sweet flag).
   Recent Research: Antioxidant activities of methanolic extracts of Acorus calamus (L.) rhizome and leaves.\cite{4}

3. *Alpinia galangal* (Lesser galangal).
   Recent Research: Antioxidant and Antidiabetic Activity of Alpinia Galanga.\cite{5}
4. rptij - *Operculina turpethum* (Turpet root).
Recent Research: Non-Opiodergic Like Mechanism For Antinociceptive Analgesic of Ethanolic Root Extract Of operculina Turpethum In Swiss Albino Mice.[6]

5. jpg:gpyp - *Piper longum* (Long pepper)
Recent Research: Evaluation Of Cns Depressant And Analgesic Activities Of The Methanol Extract Of Piper Longum Linn. Leaves.[7]

6. tpshk:gok:- *Limonia acidissima* (Wood Apple seed)
Recent Research: Evaluation Of The Antioxidant And Cyto-Toxic Activities Of The Stem-Bark Of Limonia Acidissima (Family: Rutaceae)[8]
7. Rf;F – Zingiber officinalae (Ginger dried)
Recent Research: Preventive and Protective Properties of Zingiber officinale (Ginger) in Diabetes Mellitus, Diabetic Complications, and Associated Lipid and Other Metabolic Disorders: A Brief Review[9]

8. Ney;ypKs;sp - Emblica myrobalan (Indian Gooseberry)
Recent Research: Anticancer Properties of Phyllanthus emblica (Indian Gooseberry)[10]

9. kQ;rs;- Curcuma aromatic (Wild turmeric)
Recent Research: Pharmacological Activities of Turmeric (Curcuma longa linn): A Review.[11]
10. $e;Jg; G – Sodium chloride (Rock salt)
Recent Research: Antioxidants effects of reduced water produced by electrolysis of Sodium chloride solutions.\textsuperscript{[12]}

11. $rPdhf;fz;L – Sugar candy
Recent Research: Sugar and Human production.\textsuperscript{[13]}

12. $gRk;ghy; - Cow’s milk
Recent Research: The white stuff: Drinking just one glass of milk a day could boost your brain power.\textsuperscript{[14]}

13. $gRnea; - Cow’s ghee
Recent Research: Comparision between the effect of cow ghee and butter on memory and lipid profile of Wister rats.\textsuperscript{[15]}
DISCUSSION
Cure of cognitive disorders such as Amnesia, Attention Deficit and Alzheimer’s disease is still a nightmare in the field of medicine. Nootropic agents such as Piracetam, Aniracetam and choline esterase inhibitors like Donepezil are used to improve memory, mood and behaviour, but the associated side effects have limited their long-term use. Against this background, Siddha describes many formulations to improve memory and have neuroprotective effects. After ghee with medicinal herbs ghee carries the therapeutic components along with the qualities of ghee where it acts on BBB and through various studies it has been well established.

CONCLUSION
Brahmi ghee is extensively used in most of the psychiatry disorders internally and externally both which has been already proven through various researches. Along with ghee preparation the medicine will be having more effect on BBB due to its lipophilic nature. There is lack of potent research at the level of neuroplasticity, nootropic and neuroprotective effect of Brahmi ghee which will be a revolution in psychiatry medicine as this medicine is having no side effects and easy palatability. Hence It may cure Mantha sanni (Autism spectrum disorder).

REFERENCES
14. N.Harish, Daily mail reporters health article, Jan 2012.