A Case Report of Thrombocytopenia & Leukocytopenia in **Dengue Fever Treated with Carica Papaya Mother Tincture**

Dr. Mansi Shukla

MD Homeopath, Assistant Professor, Shree Swaminarayan Homeopathy College, Gandhinagar, Gujarat, India

ABSTRACT

As Thrombocytopenia & Leukocytopenia both are having equivalent significance for the presentation of Dengue fever; which causes significant morbidity & complications. Dengue is a viral infection transmitted to humans through the bite of infected mosquitoes, primarily the Aedes aegypti mosquito. About half of the world's population is now at risk of dengue with an estimated 100-400 million infections occurring each year. Similarly, with over 100 million cases annually and 20-25,000 deaths, presents a substantial public health challenge, marked by epidemics across different regions globally. Early detection with diagnosis entails identifying virus antigens playing an important role in the symptomatic treatment as well as prevention of such increasing incidence observed; simultaneously with analyzing the complexities of dengue haemorrhagic fever. This case regards the Homeopathic medicine carica papaya in the form of mother tincture using non repertorial approach of the selection of simillimum for the treatment of thrombocytopenia & leukocytopenia in Dengue fever.

KEYWORDS: Thrombocytopenia, leukocytopenia, Dengue fever, Aedes aegypti, Haemorrhagic fever, Homeopathy, Carica Papaya, Mother Tincture

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INTRODUCTION

Thrombocytopenia is a condition characterized by Therefore, Dengue fever is termed as Breakbone abnormally low levels of platelets. In such cases it may lead to prolonged or excessive bleeding. "It is considered the most common coagulation disorder among intensive care patients and is seen in a 5th of medical patients and 3rd of surgical patients". Hence Dengue fever is also called "Haemorrhagic fever". On the other hand Leukocytopenia refers to a decrease number of leukocytes i.e. WBC. They are found in the blood as white blood cells, and act as the body's defence mechanism fighting against an infection. Thus, the condition of leukopenia places individuals at increased risk of infection. Dengue fever is caused by a small single-stranded RNA virus belonging to Flaviviridae. Dengue virus is transmitted to humans through the bites of infected Aedes mosquitoes, principally Aedes aegypti. Dengue is characterised by leukocytopenia followed by thrombocytopenia; along with its progression during febrile phase other physical signs & symptoms of body aches, severe headaches, pain behind the eyes, muscle & joint pains, nausea, vomiting, swollen glands and rash.

Viral fever as well.

CASE PRESENTATION:-

History:- A male patient 67 years old, a retired Central Govt. Officer reported on 16/08/2024, having complained of headaches, malaise, feverish with mild constipation & anorexia for 4-5 days. Patient had taken PCM for fever spikes once a day & as required.

Present chief complaint:-

- ➤ High grade fever
- > Associated with chills
- ➤ Headache intense in nature, < movement >lying down, rest.
- > Pressing pain behind the eyes, < closing the eyes, > warm fomentation.
- ➤ Generalised bodyache
- ➤ Mild upper abdominal pain
- > Fatigability
- Anorexia
- All these complaints arise from 3-4 days.

No H/o:- Itching, rash, nausea, vomiting, hematemesis, melena, mucosal bleeds, oliguria, hematuria, polyarthralgia.

Past History:- Not contributory, Covid positive in wave 2, no any other medical or surgical condition.

Personal History:- No any type of addictions & habits.

Family History: Not contributory.

O/E:-

General Examination: Lean thin body built & moderately nourished.

> Physical Examination:

- Sclera, Conjunctiva: Pale in colour
- Oral cavity: Mouth, Gums: Hygienic, no bleeding gums
- Tongue: moderately coated white,
- Nail beds: mild pale in colour
- Skin: no abnormality, no petechiae, no rash found all over the body

Vitals:

BP: 110/70 mm of Hg

Pulse: 88/minRR: 20/minTemp.: 101 F

> Systemic Examination:

- CNS: conscious, well oriented
- CVS: S1S2 present, no abnormality
- RS: BLAE + clear, no abnormality
- GIT: semi soft abdomen, no tenderness, mild pain right & left hypochondriac region, mild enlargement of Liver & Spleen, BS +
- GUT: No abnormality.

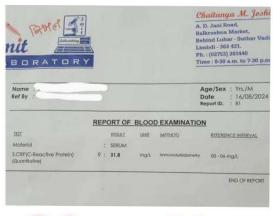
Differential Diagnosis:-

- Dengue Fever
- Malaria
- Viral Fever
- Typhoid

Investigation:-

- CBC
- MP
- Dengue Serology
- S.Typhi
- CRP



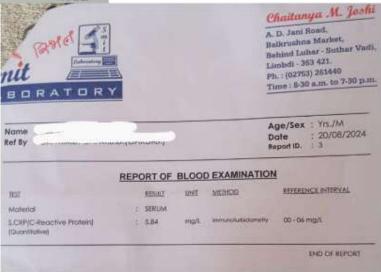








After medicine taken



Final Diagnosis:- Dengue Fever

Totality of Symptom:

- ➤ High grade fever associated with chills
- ➤ Headache- intense pain <movement, > lying down
- Pressing pain behind the eyes < closing the eyes,warm fomentation
- > Generalised bodyache
- > Fatigability
- ➤ All complaints are from 3-4 days.

Treatment:-

- ➤ Patient was given Homeopathic medicine Carica Papaya Mother Tincture 10 drops in half glass of water TDS for 5 days.
- ➤ Comprehensive regimen advised to bed rest, avoiding physical & mental exertion as decreasing screen time & reading which produce eye strain. Dietary recommendations as soft, light diet along with semi solid food items including fresh homely cooked food & fruits as well. Avoid fried, hard & spicy food items. Moreover avoidance of dairy items including sweets, milk & milk products.

As Carica Papaya has specific indications in cases of thrombocytopenia & leukocytopenia for Dengue fever. Along with this, other indications also recall this remedy viz. immune booster, in metabolic disorder, increases appetite, organomegaly especially Liver & Spleen. Role of mother tincture

Follow up:-

- On the 5th day of treatment, the patient came for follow up.
- As per history, fever spikes with chills have reduced since the last 2-3 days, no fever with chill since the last 1 day.
- ➤ Headache & eye pain has reduced intensity since the last 3-4 days. Patient had no headache since the last day.
- ➤ Generalised bodyache decreases, no body since last 2 days.
- Fatigability has been reduced since the last 1-2 days, and the patient feels a little energetic.
- Appetite has increased, and patient's feel like eating cooked food.

DISCUSSION:-

Carica Papaya is highly effective medicine in the treatment of Dengue fever in case thrombocytopenia & leukocytopenia. Indeed the role of mother tinctures in curing such conditions in homeopathy are very much remarkable. Carica Papaya is very useful in indigestion, enlarged liver & spleen, along with pain. Carica papaya mother tincture is a homeopathic medicinal preparation from the green unripe fruit excluding seeds of Papaya. In general, a mother tincture contains the lowest possible potency of any particular homeopathic preparation. The novelty of Carica papaya is applicable for all aspects of a human physic from minor to major complaints.

CONCLUSION:-

Summary - Thrombocytopenia & Leukocytopenia in Dengue fever treated successfully with homeopathic medicine carica papaya in the form of mother tincture. Patient was treated with a very minimal dose of single medicine creating a marvellous effect on the physical & mental plane as well. Henceforth the medicinal effect of the carica papaya not only cures the patient completely including all physical symptoms but also prevents from spreading the infection further in the human body without creating

any type of side effect. Carica Papaya mother tincture is highly recommended for clinical practices in such conditions.

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