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Dr. Tummala Aarathi Reddy
Assistant Professor,
Department of Obstetrics and
Gynaecology, MNR
Homoeopathic Medical
College, Sangareddy,
Telangana, India

Hypersensitivity reaction treated with Apis mellifica: A case report

Dr. Tummala Aarathi Reddy

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Abstract

Hypersensitivity reaction is an adverse immune response to antigen. It is also called as Intolerance. There are 4 types of hypersensitivity. In this case report we will be discussing about hypersensitivity reaction developed after the bite of a Red ant in 10 years old boy. He had been treated with Apis mellifica 200 potency based on symptoms similarity. This is an evidenced based case report that when homoeopathy is prescribed on the basis of symptom similarity it gives wonderful results.

Keywords: Hypersensitivity, rash, homoeopathy, Apis mellifica

Introduction

Hypersensitivity reaction is a reaction developed by immune system to antigen, caused by triggering factors. It is an exaggerated response to allergen. Usually caused by many substances from external environment or within the body identified by the immune cells of antigens. George Houthem Gell had classified into 4 types of hypersensitivity. Namely Type I is an IgE mediated immediate reaction, Type II is an antibody-mediated reaction of IgG or IgM, Type III is an IgG involving immune complex mediated reaction and Type IV is an cytotoxic, cell mediated, delayed hypersensitivity reaction involving T cells. First three types of hypersensitivity are considered to appear within 24 hours after the exposure to allergen while, the fourth type is considered delayed hypersensitivity reaction because it appears between 48 to 72 hours after taste exposure to allergen. This particular case is regarding hypersensitivity developed after the red ant bite.

Case Report

A 10 years old boy had reported to the clinic on 3rd September 2022 with the complaints of red coloured rash over the Right lower limb of popliteal region which is developed after ant bite. Severe burning sensation.

History of presenting complaint

Complaints started immediately after the bite of the red ant. Red coloured erythematous rash developed over right lower limb at the popliteal site. Red coloured pimple like swelling is noted. Severe itching followed by burning sensation. Swelling is huge enough. Boy is an school going kid. Boy started crying due to severe itching and burning sensation. Soreness sensation all over the right lower limb. Child was having a heat sensation which is relieved by cold applications. Swelling at the joint with burning sensation and soreness.

Generals

Appetite: Normal

Urine: Normal

Thirst: Decreased

Sleep: Disturbed hot patient

Desire: Milk

Mental generals: Irritable, Weeping tendency

Corresponding Author:
Dr. Tummala Aarathi Reddy
Assistant Professor,
Department of Obstetrics and
Gynaecology, MNR
Homoeopathic Medical
College, Sangareddy,
Telangana, India

Evaluation of symptoms

- Irritable.
- Weeping tendency.
- Red erythematous rash on right lower limb.
- Severe Itching to night.

- Burning sensation.
- Desires milk.
- Aggravation by night.
- Ammelioration by cold application.



Fig 1: 3rd September 2022



Fig 2: 4th September 2022

Remedy Name	Apis	Bell	Ars	Calc	Caust
Totality / Symptom Covered	12 / 4	11 / 5	10 / 5	10 / 5	10 / 5
[Kent] [Mind]Irritability (see anger): (245)	3	3	2	3	3
[Kent] [Mind]Weeping,tearful mood,etc.: (166)	3	2	1	3	3
[Kent] [Skin]Stinging: (63)	3	1	1	1	1
[Kent] [Skin]Swelling:Burning: (46)		2	3	1	1

Fig 3: Repertorisation chart

Therapeutic Intervention

Case was taken and repertorisation was done by following Kentian method of Repertorisation, Apis mellifica 200 was

selected based on the symptom similarity. Apis is having very characteristic feature acting on oedema of skin and mucous membranes.

Table 1: Data of symptoms, follow up, Prescription

Date	Symptoms	Prescription/Dose	Justification
3 rd September 2022 1 st visit	Red erythematous rash on lower limb (Rt)	Apis mellifica 200/ 1 dose	-----
4 th September 2022 2 nd visit	Size slightly decreased Rash slightly faded, Burning sensation and pain lightly decreased.	Sac Lac/1 dose	Improving
5 th September 2022 3 rd visit	Erythematous rash completely resolved	Sac Lac/1 dose/15days	Improved



Fig 4: 5th September 2022

Conclusion

This is a case of Hypersensitivity reaction after red ant bite. By the symptom similarity, Individualisation & Repertorisation Apis mellifica was selected. With single dose of 200 potency Pt had resolved with rash completely & had no recurrence. Thus proved homoeopathy not only treat the symptoms the cause from the root is removed.

Conflict of Interest

Not available

Financial Support

Not available

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