

# CLINICO-HISTOPATHOLOGICAL CORRELATION OF TYPE I & TYPE II LEPRO REACTION OCCURRING IN A SINGLE PATIENT OF BL HANSENS

Dr Ajay Chopra, Dr Debdeep Mitra, Dr Teghveer Singh –BASE HOSPITAL DELHI CANTT

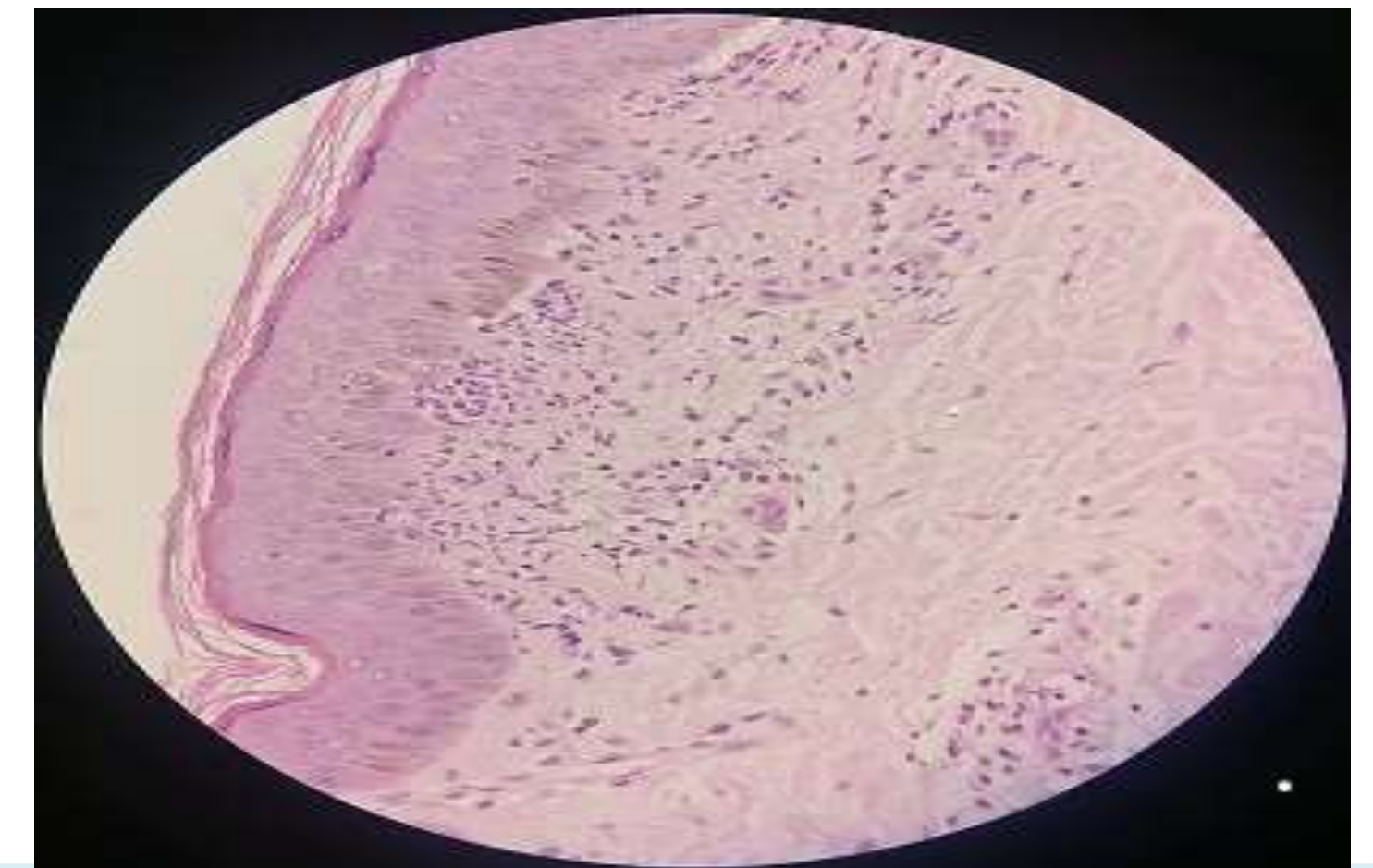
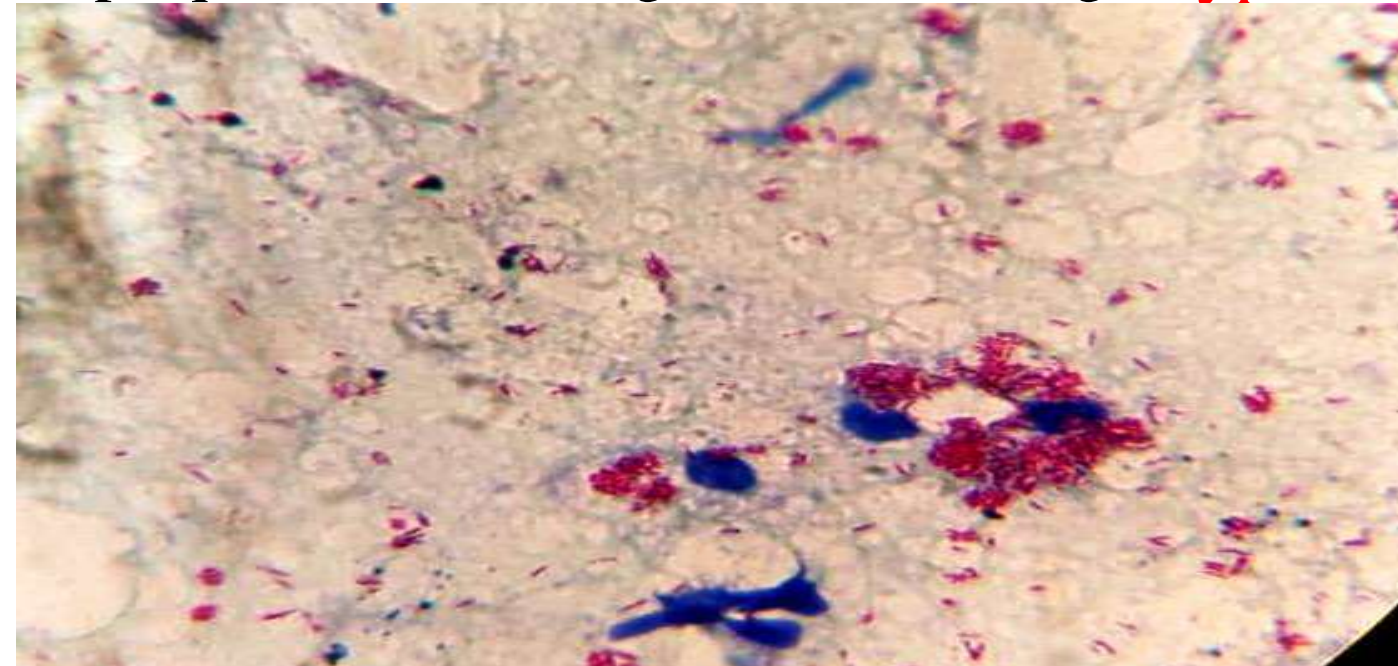
POSTER ID : 67

## INTRODUCTION

- Lepros reactions are commonly seen in patients of leprosy at the time of presentation, during treatment & after stopping therapy.
- Type 1 reaction occurs due to type IV hypersensitivity seen in borderline patients whereas type II reaction occurs due to type 3 hypersensitivity reaction in lepromatous patient.
- Our patient is a BL Hansens (clinical & histopathology diagnosed) presented with feature of both type 1 & type 2 reaction.
- **Aim is to highlight the importance of clinico histopathological correlation in bizarre reactions helping in guiding treatment.**

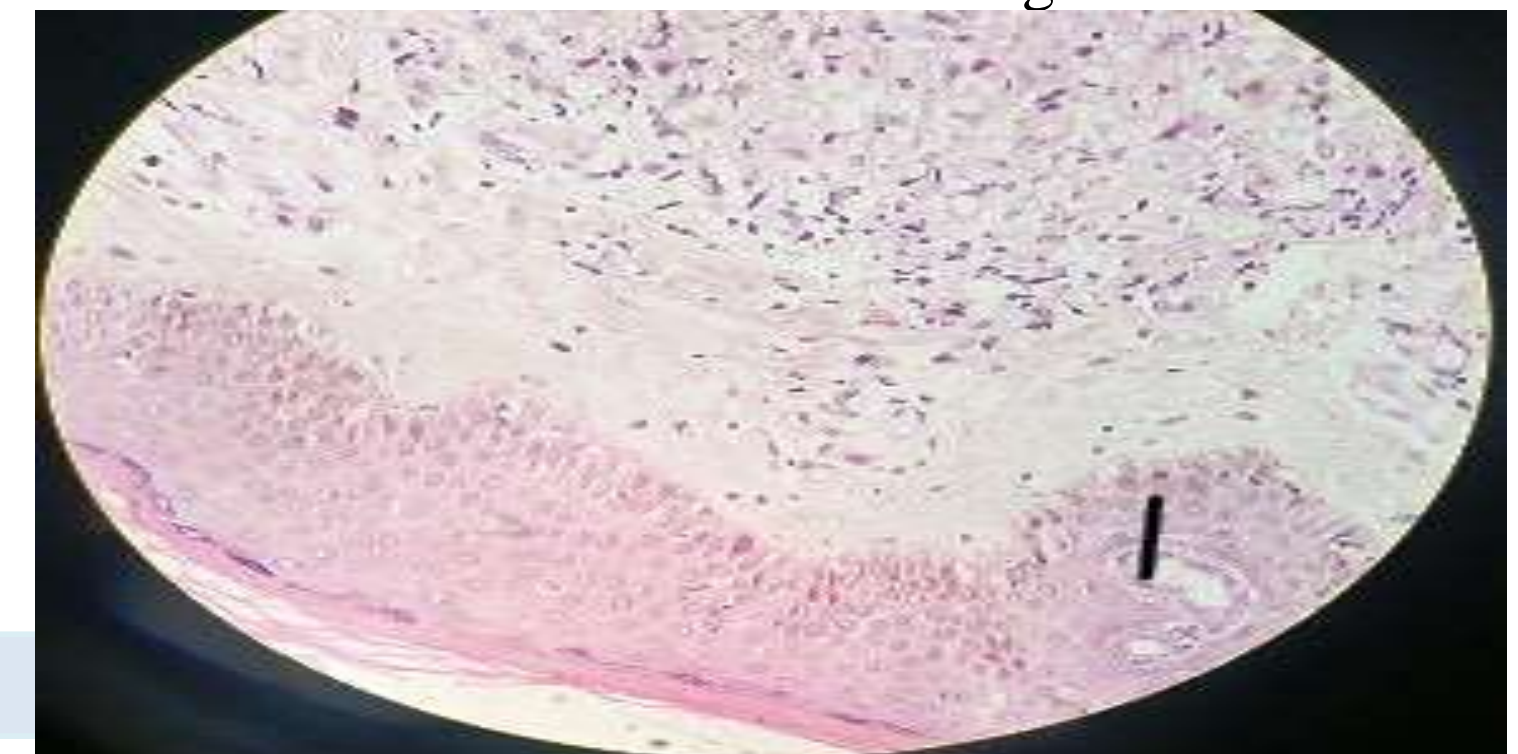
## CASE HISTORY

- A 35yr old lady was diagnosed as a case of BL Hansens when she presented with multiple hypoaesthetic xerotic patches over trunk & extremities. She was started on MBMDT.
- 03 months after treatment she presented with mild pain & redness over the previous lesions.
- Few new onset annular erythematous oedematous plaques. She was diagnosed of having a **type 1 reaction**.



## RECURRENT REACTION

While on treatment she developed tender red nodules and bullous lesions predominately on extremities which were associated with fever. She was diagnosed as a c/o **type II reaction**



## MANAGEMENT

- During the Type 1 reaction patient was managed with oral corticosteroids, **Tab Prednisolone** 60mg OD with tapering done @ 10mg/month for 6 months.
- When the patient developed Type II reaction she was started on **Tab Thalidomide** 100mg QID but considering the severity of reaction and multiple relapses she was also given **Inj Etanercept** 50mg SC biweekly for 12 weeks.

## CONCLUSION

- Both type I & type II lepro reaction in a single patient is rare and requires a lot of clinical suspicion.
- Histopathology of the lesion can confirm the diagnosis and guide the treatment.
- Early recognition of reaction with histopathological correlation enables timely and effective management, thus preventing deformity & disability.

## REFERENCES

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