



A 35yr old male patient came with history of multiple lesions over the extremities, trunk, and abdomen. Patient also gave history of recurrent vesicular lesions over the lips.

Examination revealed grouped vesicles with crusting over the angle of the left lower lip. Skin showed multiple erythematous well defined annular plaques 2-3cm diameter with three distinct zones (target lesions) over the extremities.

Q: What is your diagnosis?

Answer on page No. 100

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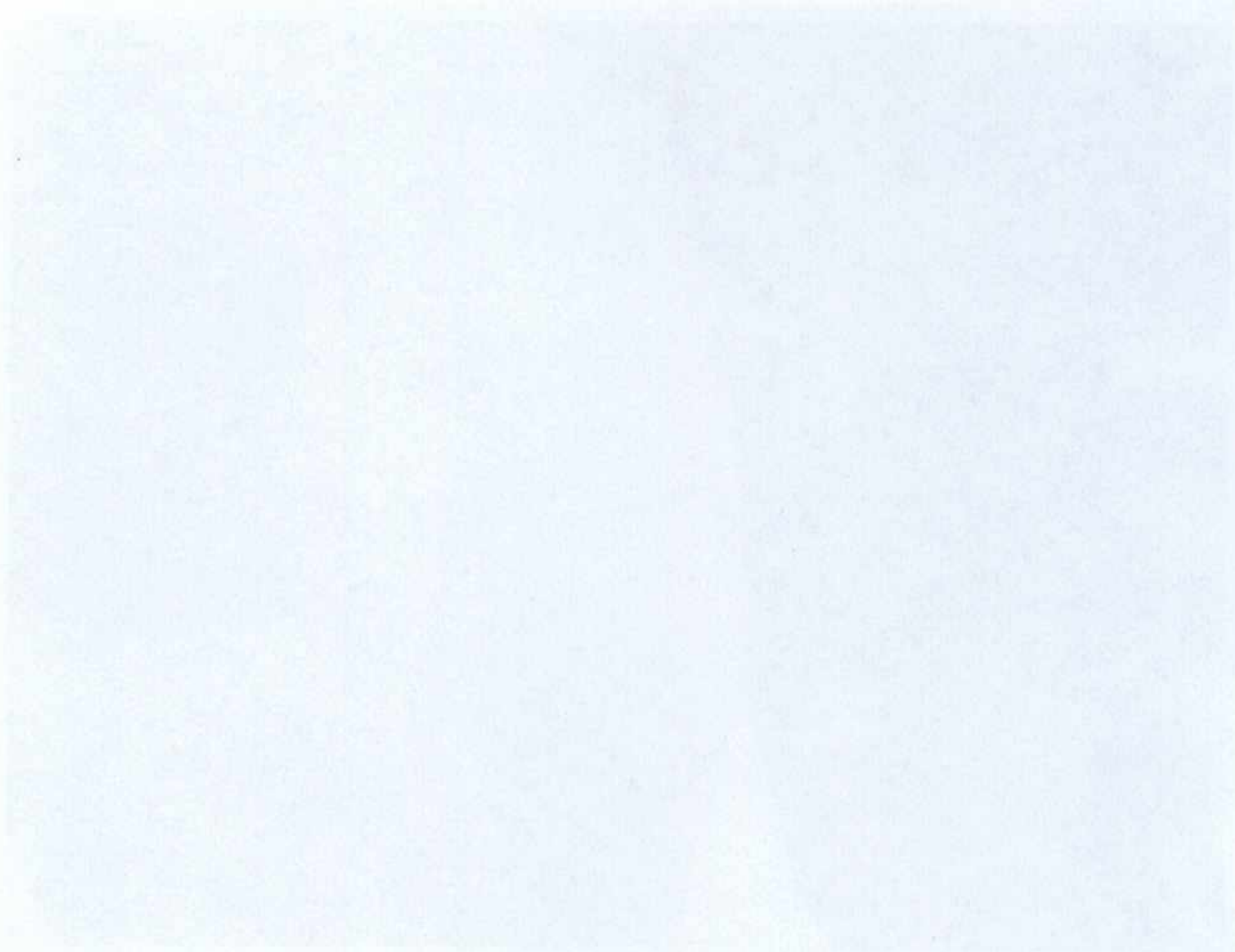
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The first part of the paper is devoted to a review of the literature on the topic. The second part presents the results of the empirical analysis. The third part discusses the implications of the findings for policy-making. The fourth part concludes the paper.

The results of the empirical analysis show that there is a significant positive relationship between the variables under study. This finding is consistent with the theoretical expectations.

The implications of the findings for policy-making are discussed in detail. It is suggested that the government should take certain measures to address the issues identified in the study.

The paper concludes by summarizing the main findings and suggesting areas for further research.

Erythema Multiforme

HISTORY

EM was first described by the Austrian dermatologist Ferdinand von Hebra in 1860.^[1] The disease he described was mild with a sudden onset of hundreds of red papules. By daily observation, von Hebra recognized that some of the original papules evolved into lesions with concentric zones of colour change, which he termed 'target' lesions.^[2]

ETIOLOGY

Causes of EM are far-reaching and most commonly include HSV infection, M pneumoniae, and systemic drugs. Other documented associations include countless infections (other than HSV or M pneumoniae), malignancy, connective tissue disease, immunization, radiation, inflammatory bowel disease, sarcoidosis, and menstruation.^[1,3,5] In contrast, recurrent EM usually occurs secondary to HSV.

Other, rarely reported causes of recurrent EM include recurrent M pneumoniae infections, hepatitis C virus, polymorphic light eruption, and foodstuff (patch testing has indicated benzoic acid sensitivity)

It is estimated that 15-63% cases of EM are secondary to infection with herpes simplex virus (HSV).^[1] Like HSV, herpes associated EM is self limiting, often recurrent disorder that is clinically distinct from drug induced EM.

HSV

The herpes labialis may precede the onset of the cutaneous lesions, occur simultaneously,

or be evident after the target lesions of EM have appeared. Most commonly, herpes labialis precedes target lesions of EM by 3-14 days. It is presumed that most cases in children and young adults are due to HSV type 1, but documented cases of HSV type 2 in adolescents and young adults have been reported.

CLINICAL FEATURES

Erythema multiforme is a polymorphic eruption composed of symmetrically distributed macules, papules, bullae, and target lesions that have a propensity for distant extremities and oral mucosa.^[1]

The characteristic elementary skin lesion of EM is the *typical target lesion*.^[1] The latter measures <3 cm in diameter, has a regular round shape and a well-defined border, and it consists of at least three distinct zones, e.g. two concentric rings of color change surrounding a central circular zone that has evidence of damage to the epidermis in the form of bulla formation or crust.^[1] Such a typical target lesion is sometimes referred to as an 'iris lesion' because of its rainbow-like appearance.^[3]

In EM, a history of an abrupt onset of skin lesions is obtained, with almost all of the lesions appearing within 24 hours and full development by 72 hours.^[2,4] The individual lesions remain fixed at the same site for 7 days or more.

DIFFERENTIALS.^[5]

Many conditions may include the production of 'target-like' lesions and mimic EM, including the giant urticaria, fixed drug eruptions, sub-acute cutaneous LE, erythema annulare centrifugum, and several forms of

Exercises - Mathematics

Exercise 1

1.1. The first part of the exercise is to find the value of x such that $f(x) = 0$. We have $f(x) = x^2 - 3x + 2$. We can factorize this as $(x-1)(x-2)$. So the solutions are $x=1$ and $x=2$.

1.2. The second part is to find the value of x such that $f(x) = 1$. We have $f(x) = x^2 - 3x + 2$. We can factorize this as $(x-1)(x-2)$. So the solutions are $x=1$ and $x=2$.

Exercise 2

2.1. The first part of the exercise is to find the value of x such that $f(x) = 0$. We have $f(x) = x^2 - 3x + 2$. We can factorize this as $(x-1)(x-2)$. So the solutions are $x=1$ and $x=2$.

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Exercise 3

3.1. The first part of the exercise is to find the value of x such that $f(x) = 0$. We have $f(x) = x^2 - 3x + 2$. We can factorize this as $(x-1)(x-2)$. So the solutions are $x=1$ and $x=2$.

3.2. The second part is to find the value of x such that $f(x) = 1$. We have $f(x) = x^2 - 3x + 2$. We can factorize this as $(x-1)(x-2)$. So the solutions are $x=1$ and $x=2$.

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Exercise 4

4.1. The first part of the exercise is to find the value of x such that $f(x) = 0$. We have $f(x) = x^2 - 3x + 2$. We can factorize this as $(x-1)(x-2)$. So the solutions are $x=1$ and $x=2$.

4.2. The second part is to find the value of x such that $f(x) = 1$. We have $f(x) = x^2 - 3x + 2$. We can factorize this as $(x-1)(x-2)$. So the solutions are $x=1$ and $x=2$.

Exercise 5

5.1. The first part of the exercise is to find the value of x such that $f(x) = 0$. We have $f(x) = x^2 - 3x + 2$. We can factorize this as $(x-1)(x-2)$. So the solutions are $x=1$ and $x=2$.

5.2. The second part is to find the value of x such that $f(x) = 1$. We have $f(x) = x^2 - 3x + 2$. We can factorize this as $(x-1)(x-2)$. So the solutions are $x=1$ and $x=2$.

vasculitis.

TREATMENT

- Usually self limiting.
- Symptomatic management with topical antibiotics for erosions and soothing agents.
- Oral Anti histamines for 3-4 days.
- Treatment of recurrent HSV-associated erythema multiforme, if started by the patient in the prodrome stage (with a 5-day course of aciclovir), will often prevent development of erythema multiforme. If that is not effective and attacks are frequent, a 6-month course of prophylactic aciclovir should be tried even in patients in whom HSV is not obviously a precipitating factor.

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THE STATE OF TEXAS,
COUNTY OF DALLAS.I, the undersigned, a Justice of the Peace for and in and for the County of Dallas, State of Texas, do hereby certify that the within and foregoing is a true and correct copy of the original of the same as the same appears from the records of the County of Dallas, State of Texas.

IN WITNESS WHEREOF, I have hereunto set my hand and the seal of the County of Dallas, State of Texas, at the City of Dallas, this 1st day of January, 1901.

J. M. [Signature]

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J. M. [Signature]