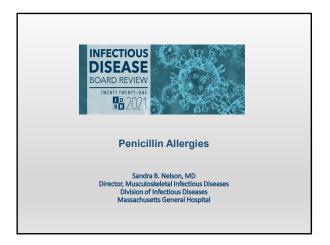
25 - Penicillin Allergy

Speaker: Sandra Nelson, MD



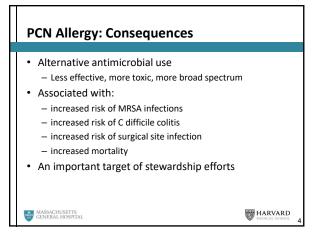
Disclosures of Financial Relationships with Relevant Commercial Interests

None

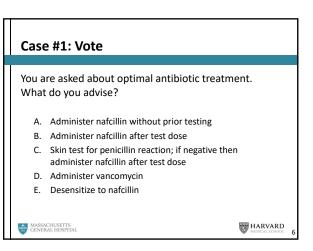
Penicillin (PCN) Allergy: Premise 10% of the US population have documentation of penicillin allergy Rash most common adverse drug reaction (ADR) Others include "unknown", angioedema, GI symptoms, itching More common in older adults and hospitalized patients Vast majority of patients with penicillin allergy can be made to tolerate penicillin Reactions are mild drug rashes that do not always recur Reactions wane with time

- Some reactions are not allergic

MASSACHUSETTS GENERAL HOSPITAL

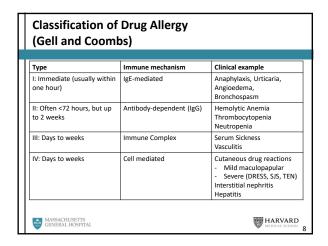


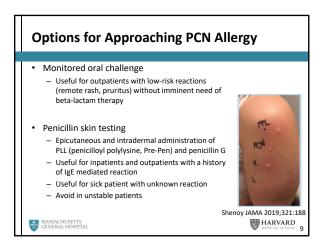
67 year old woman is hospitalized with nosocomial meningitis due to MSSA. She has a history of allergy to penicillin that is listed in the records as rash; the family recalls that she went to the ED when the rash occurred. She is not able to corroborate history. She has not received penicillin or cephalosporin antibiotics since the rash occurred a few years ago. Two of her daughters have allergies to penicillin.



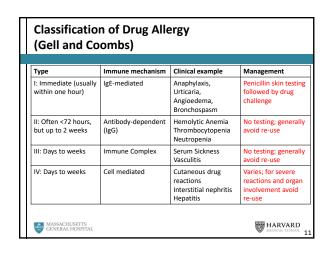
25 - Penicillin Allergy

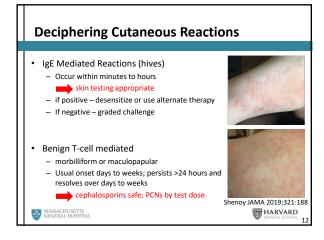
Speaker: Sandra Nelson, MD

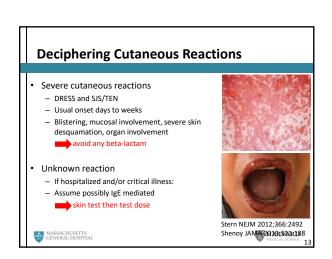




Options for Approaching PCN Allergy Graded Challenge (1/10th test dose) As a first step if suspicion for immediate reaction is low After negative PCN skin testing when a related drug is desired (e.g. nafcillin) or in high risk of IgE mediated reaction Desensitization Positive skin test and/or confirmed immediate reaction, when a penicillin is the best therapy for an important infection Desensitization wanes with missed doses (3 half-lives) Use of alternate therapy







25 - Penicillin Allergy

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