

Virtual Patient: Drug Allergy in Older Adults

References

- 1 Fine LM, Bernstein JA. **Guideline of Chronic Urticaria Beyond**. Allergy Asthma Immunol Res. 2016;8(5):396-403. doi:10.4168/aaair.2016.8.5.396
<https://pubmed.ncbi.nlm.nih.gov/27334777/>
- 2 Bernstein JA, Lang DM, Khan DA, Craig T, Dreyfus D, Hsieh F, et al. **The diagnosis and management of acute and chronic urticaria: 2014 update**. J Allergy Clin Immunol. 2014 May;133(5):1270-7.)
<https://pubmed.ncbi.nlm.nih.gov/24766875/>
- 3 Magen E, Mishal J, Schlesinger M. **Clinical and laboratory features of chronic idiopathic urticaria in the elderly**. Int J Dermatol. 2013 Nov;52(11):1387-91.
<https://pubmed.ncbi.nlm.nih.gov/23834467/>
- 4 Ventura MT, Napolitano S, Buquicchio R, Cecere R, Arsieni A. **An approach to urticaria in the elderly patients**. Immunopharmacol Immunotoxicol. 2012 Jun;34(3):530-3.)
<https://pubmed.ncbi.nlm.nih.gov/22124340/>
- 5 Khan, MD DA. **Chronic spontaneous urticaria: Standard management and patient education**. UpToDate Topic 84000 Version 14.0 e.
<https://www.uptodate.com/contents/chronic-spontaneous-urticaria-standard-management-and-patient-education#!>
- 6 Hamad A, Jithpratuck W, Krishnaswamy G. **Urticarial vasculitis and associated disorders**. Ann Allergy Asthma Immunol. 2017 Apr;118(4):394-398).
<https://pubmed.ncbi.nlm.nih.gov/28390580/>
- 7 Khan DA et al. **Drug Allergy: A 2022 Practice Parameter Update**. J Allergy Clin Immunol. 2022 Sep 16:S0091-6749(22)01186-1.
<https://pubmed.ncbi.nlm.nih.gov/36122788/>
- 8 Joint Task Force on Practice Parameters, American Academy of Allergy, Asthma and Immunology, American College of Allergy, Asthma and Immunology, Joint Council of Allergy, Asthma and Immunology. **Drug Allergy: An Updated Practice Parameter**. Ann Allergy Asthma Immunol. 2010; Oct; 105(4):259-273
<https://www.aaaai.org/Aaaai/media/Media-Library-PDFs/Allergist%20Resources/Statements%20and%20Practice%20Parameters/drug-allergy-updated-practice-param.pdf>
- 9 Ledford, DK. **Skin Testing and Specific-IgE Following IVIG or Omalizumab**. J Allergy Clin Immunol: In Practice. Ask The Expert. 2019; May; 7(5): 1703-1704
<https://pubmed.ncbi.nlm.nih.gov/30819523/>
- 10 Ong YE, et al. **Anti-IgE (omalizumab) inhibits late phase reactions and inflammatory cells after repeat skin allergen challenge**. J Allergy Clin Immunol. 2005; Sept; 116(3): 558-564
<https://pubmed.ncbi.nlm.nih.gov/16159624/>
- 11 Corren, J et al. **Allergy skin tests and free IgE levels during reduction and cessation of omalizumab therapy**. J Allergy Clin Immunol. 2008; Feb; 121(2): 506-511
<https://pubmed.ncbi.nlm.nih.gov/18269927/>
- 12 Shenoy, Erica S eat al. **Evaluation and Management of Penicillin Allergy: A Review**. JAMA. 2019; Jan 15; 321(2): 188-199
<https://pubmed.ncbi.nlm.nih.gov/30644987/>
- 13 Gonzalez-Estrada A, Radojicic C. **Penicillin allergy: A practical guide for clinicians**. Cleve Clin J Med. 2015 May; 82(5) 295-300
<https://pubmed.ncbi.nlm.nih.gov/25973877/>

- 14 Kim MH, Lee JM: **Diagnosis and management of immediate hypersensitivity reactions to cephalosporins.** Allergy Asthma Immunol Res. 2014; 6: 485-95
<https://pubmed.ncbi.nlm.nih.gov/25374747/>
- 15 Montanaro, A. (2020) **Sulfonamide allergy in HIV-uninfected patients.** UpToDate.
<https://www.uptodate.com/contents/sulfonamide-allergy-in-hiv-uninfected-patients/print#!>
- 16 Krantz MS, Stone CA, Jr., Abreo A, Phillips EJ (2020) **Oral challenge with trimethoprim-sulfamethoxazole in patients with "sulfa" antibiotic allergy.** J Allergy Clin Immunol Pract 8(2):757–760 e754
<https://www.semanticscholar.org/paper/Oral-Challenge-with-Trimethoprim-Sulfamethoxazole-Krantz-Stone/d66b0aff9f335cd0d70fedb62826170aed34d428>
- 17 Chow TG, Khan DA. **Sulfonamide Hypersensitivity.** Clin Rev Allergy Immunol. 2022 Jun;62(3):400-412. doi: 10.1007/s12016-021-08872-3.
<https://pubmed.ncbi.nlm.nih.gov/34212341/>
- 18 Solensky, R. (2020) **Hypersensitivity reactions to macrolides, aminoglycosides, tetracyclines, clindamycin and metronidazole.** UpToDate.
<https://www.uptodate.com/contents/hypersensitivity-reactions-to-macrolides-aminoglycosides-tetracyclines-clindamycin-and-metronidazole#!>
- 19 Raif Stahlmann et al. **Safety considerations of fluoroquinolones in the elderly: an update.** Drugs Aging. 2010 Mar 1; 27(3): 193-209 (Pubmed PMID: 20210367)
<https://pubmed.ncbi.nlm.nih.gov/20210367/>
- 20 Staevska M et al. **Night-time sedating H1-antihistamine increases daytime somnolence but not treatment efficacy in chronic spontaneous urticaria: a randomized controlled trial.** Br J Dermatol. 2014 Jul;171(1):148-54.
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4232862/>
- 21 Schroeck, JL et al. **Review of Safety and Efficacy of Sleep Medicines in Older Adults.** Clin Therapeutics. 2016; 38: 2340-2372.
<https://pubmed.ncbi.nlm.nih.gov/27751669/>
- 22 By the American Geriatrics Society Beers Criteria Update Expert Panel. **American Geriatrics Society 2015 Updated Beers Criteria for Potentially Inappropriate Medication Use in Older Adults.** J Am Geriatric Soc. 2015;63:2227-2246.
<https://pubmed.ncbi.nlm.nih.gov/30693946/>
- 23 Kaplan, Allen et al. **Omalizumab in patients with symptomatic chronic idiopathic/spontaneous urticaria despite standard combination therapy.** J Allergy Clin Immunology. 2013; 132 (1): 101-109.
<https://pubmed.ncbi.nlm.nih.gov/23810097/>
- 24 Khan N, Epstein TG, DuBuske I, Strobel M, Bernstein DI. **Effectiveness of Hydroxychloroquine and Omalizumab in Chronic Spontaneous Urticaria: A Real-World Study.** J Allergy Clin Immunol Pract. 2022 Sep 15:S2213-2198(22)00937-0. doi: 10.1016/j.jaip.2022.08.051. Epub ahead of print. PMID: 36115542.
<https://pubmed.ncbi.nlm.nih.gov/36115542/>
- 25 Laidlaw and Cahill. **Current Knowledge and Management of Hypersensitivity to Aspirin and NSAIDs.** J Allergy Clin Immunol Pract. May-June 2017;5 (3): 537-545.
<https://pubmed.ncbi.nlm.nih.gov/28483309/>
- 26 Musich S et al. **Safety Events Associated with Tramadol Use Among Older Adults with Osteoarthritis.** Eur Ann Allergy Clin Immunol. 2004 Jun;36(6):215-8.
<https://pubmed.ncbi.nlm.nih.gov/32119805/>
- 27 Khan DA, Knowles SR, Shear NH. **Sulfonamide Hypersensitivity: Fact and Fiction.** J Allergy Clin Immunol Pract 2019;7:2116-23.
<https://pubmed.ncbi.nlm.nih.gov/31495421/>
- 28 **XOLAIR Prescribing Information**

https://www.gene.com/download/pdf/xolair_prescribing.pdf

- 29 **Allergic Reactions after COVID-19 Vaccination.** Centers for Disease Control and Prevention. <https://www.cdc.gov/coronavirus/2019-ncov/vaccines/safety/allergic-reaction.html>. Updated July 20, 2022. Accessed October 5, 2022.
<https://www.cdc.gov/coronavirus/2019-ncov/vaccines/safety/allergic-reaction.html>
- 30 Greenhawt et al. **“The Risk of Allergic Reaction to SARS-COV-2 Vaccines and Recommended Evaluation and Management: A Systematic Review, Meta-Analysis, GRADE Assessment, and International Consensus Approach.”** J Allergy Clinical Immunol Pract. 2021 Oct; 9(10): 3546-3567.
<https://pubmed.ncbi.nlm.nih.gov/34153517/>