



Hereditary Angioedema (HAE)

- Abuzakouk, M., AlMahmeed, N., Memisoglu, E., McManus, M., & Alrakawi, A. (2018). Hereditary Angioedema Type II: First Presentation in Adulthood with Recurrent Severe Abdominal Pain. *Case Reports Immunol*, 2018, 7435870. <https://doi.org/10.1155/2018/7435870>
- Agostoni, A., & Cicardi, M. (1992). Hereditary and Acquired C1-Inhibitor Deficiency: Biological and Clinical Characteristics in 235 Patients. *Medicine*, 71(4). https://journals.lww.com/md-journal/fulltext/1992/07000/hereditary_and_acquired_c1_inhibitor_deficiency_.3.aspx
- Agostoni, A., Aygören-Pürsün, E., Binkley, K. E., Blanch, A., Bork, K., Bouillet, L., Bucher, C., Castaldo, A. J., Cicardi, M., Davis, A. E., III, De Carolis, C., Drouet, C., Duponchel, C., Farkas, H., Fáy, K., Fekete, B., Fischer, B., Fontana, L., Füst, G.,...Zingale, L. (2004). Hereditary and acquired angioedema: Problems and progress: Proceedings of the third C1 esterase inhibitor deficiency workshop and beyond. *Journal of Allergy and Clinical Immunology*, 114(3), S51-S131. <https://doi.org/10.1016/j.jaci.2004.06.047>
- Agostoni, A., Cicardi, M., Cugno, M., Zingale, L. C., Gioffré, D., & Nussberger, J. (1999). Angioedema due to angiotensin-converting enzyme inhibitors. *Immunopharmacology*, 44(1), 21-25. [https://doi.org/10.1016/S0162-3109\(99\)00107-1](https://doi.org/10.1016/S0162-3109(99)00107-1)
- Aygören-Pürsün, E., Bygum, A., Grivcheva-Panovska, V., Magerl, M., Graff, J., Steiner, U. C., Fain, O., Huissoon, A., Kinaciyan, T., Farkas, H., Lleonart, R., Longhurst, H. J., Rae, W., Triggiani, M., Aberer, W., Cancian, M., Zanichelli, A., Smith, W. B., Baeza, M. L.,...Cicardi, M. (2018). Oral Plasma Kallikrein Inhibitor for Prophylaxis in Hereditary Angioedema. *New England Journal of Medicine*, 379(4), 352-362. <https://doi.org/doi:10.1056/NEJMoa1716995>
- Baumgart, K. W., Britton, W. J., Kemp, A., French, M., & Robertson, D. (1997). The spectrum of primary immunodeficiency disorders in Australia. *Journal of Allergy and Clinical Immunology*, 100(3), 415-423. [https://doi.org/10.1016/S0091-6749\(97\)70257-4](https://doi.org/10.1016/S0091-6749(97)70257-4)
- Bell, C. G., Kwan, E., Nolan, R. C., & Baumgart, K. W. (2008). First molecular confirmation of an Australian case of type III hereditary angioedema. *Pathology - Journal of the RCPA*, 40(1). <https://doi.org/10.1080/00313020701716433>
- Bernstein, J. A., Levy, R., Wasserman, R. L., Bewtra, A., Hurewitz, D., Obtulowicz, K., Reshef, A., Kiessling, P. C., & Craig, T. J. (2008). Treatment of Acute Abdominal and Facial Attacks of

- Hereditary Angioedema (HAE) with Human C1 Esterase Inhibitor (C1-INH): Results of a Global, Multicenter, Randomized, Placebo-controlled, Phase II/III Study (I.M.P.A.C.T.1). *Journal of Allergy and Clinical Immunology*, 121(3), 795. <https://doi.org/10.1016/j.jaci.2008.01.052>
- Bonner, N., Abetz-Webb, L., Renault, L., Caballero, T., Longhurst, H., Maurer, M., Christiansen, S., Zuraw, B., For the Icatibant Outcome Survey International Executive, C., & the Hereditary Angioedema Association Medical Advisory, B. (2015). Development and content validity testing of a patient-reported outcomes questionnaire for the assessment of hereditary angioedema in observational studies. *Health and Quality of Life Outcomes*, 13(1), 92. <https://doi.org/10.1186/s12955-015-0292-7>
- Bork, K., & Barnstedt, S.-E. (2001). Treatment of 193 Episodes of Laryngeal Edema With C1 Inhibitor Concentrate in Patients With Hereditary Angioedema. *Archives of Internal Medicine*, 161(5), 714-718. <https://doi.org/10.1001/archinte.161.5.714>
- Bork, K., Barnstedt, S.-E., Koch, P., & Traupe, H. (2000). Hereditary angioedema with normal C1-inhibitor activity in women. *The Lancet*, 356(9225), 213-217. [https://doi.org/10.1016/S0140-6736\(00\)02483-1](https://doi.org/10.1016/S0140-6736(00)02483-1)
- Bork, K., Bygum, A., & Hardt, J. (2008). Benefits and risks of danazol in hereditary angioedema: a long-term survey of 118 patients. *Annals of Allergy, Asthma & Immunology*, 100(2), 153-161. [https://doi.org/10.1016/S1081-1206\(10\)60424-3](https://doi.org/10.1016/S1081-1206(10)60424-3)
- Bork, K., Frank, J., Grundt, B., Schlattmann, P., Nussberger, J., & Kreuz, W. (2007). Treatment of acute edema attacks in hereditary angioedema with a bradykinin receptor-2 antagonist (Icatibant). *Journal of Allergy and Clinical Immunology*, 119(6), 1497-1503. <https://doi.org/10.1016/j.jaci.2007.02.012>
- Bork, K., Hardt, J., Schicketanz, K.-H., & Ressel, N. (2003). Clinical Studies of Sudden Upper Airway Obstruction in Patients With Hereditary Angioedema Due to C1 Esterase Inhibitor Deficiency. *Archives of Internal Medicine*, 163(10), 1229-1235. <https://doi.org/10.1001/archinte.163.10.1229>
- Bork, K., Meng, G., Staubach, P., & Hardt, J. (2006). Hereditary Angioedema: New Findings Concerning Symptoms, Affected Organs, and Course. *The American Journal of Medicine*, 119(3), 267-274. <https://doi.org/10.1016/j.amjmed.2005.09.064>
- Bork, K., Siedlecki, K., Bosch, S., Schopf, R. E., & Kreuz, W. (2000). Asphyxiation by Laryngeal Edema in Patients With Hereditary Angioedema. *Mayo Clinic Proceedings*, 75(4), 349-354. <https://doi.org/10.4065/75.4.349>

- Bork, K., Staubach, P., Eckardt, A. J., & Hardt, J. (2006). Symptoms, Course, and Complications of Abdominal Attacks in Hereditary Angioedema Due to C1 Inhibitor Deficiency. *Official journal of the American College of Gastroenterology | ACG*, 101(3). <https://doi.org/10.1111/j.1572-0241.2006.00492.x>
- Bork, K., Wulff, K., Witzke, G., & Hardt, J. (2017). Treatment for hereditary angioedema with normal C1-INH and specific mutations in the F12 gene (HAE-FXII). *Allergy*, 72(2), 320-324. <https://doi.org/10.1111/all.13076>
- Bouillet, L., Longhurst, H., Boccon-Gibod, I., Bork, K., Bucher, C., Bygum, A., Caballero, T., Drouet, C., Farkas, H., Massot, C., Nielsen, E. W., Ponard, D., & Cicardi, M. (2008). Disease expression in women with hereditary angioedema. *American Journal of Obstetrics & Gynecology*, 199(5), 484.e481-484.e484. <https://doi.org/10.1016/j.ajog.2008.04.034>
- Bowen, T., Cicardi, M., Bork, K., Zuraw, B., Frank, M., Ritchie, B., Farkas, H., Varga, L., Zingale, L. C., Binkley, K., Wagner, E., Adomaitis, P., Brosz, K., Burnham, J., Warrington, R., Kalicinsky, C., Mace, S., McCusker, C., Schellenberg, R.,...Xiang, Z. Y. (2008). Hereditary angiodema: a current state-of-the-art review, VII: Canadian Hungarian 2007 International Consensus Algorithm for the Diagnosis, Therapy, and Management of Hereditary Angioedema. *Annals of Allergy, Asthma & Immunology*, 100(1), S30-S40. [https://doi.org/10.1016/S1081-1206\(10\)60584-4](https://doi.org/10.1016/S1081-1206(10)60584-4)
- Boyle, R. J., Nikpour, M., & Tang, M. L. K. (2005). Hereditary angio-oedema in children: A management guideline. *Pediatric Allergy and Immunology*, 16(4), 288-294. <https://doi.org/10.1111/j.1399-3038.2005.00275.x>
- Brickman, C. M., Tsokos, G. C., Balow, J. E., Lawley, T. J., Santaella, M., Hammer, C. H., & Frank, M. M. (1986). Immunoregulatory disorders associated with hereditary angioedema. I. Clinical manifestations of autoimmune disease. *J Allergy Clin Immunol*, 77(5), 749-757. [https://doi.org/10.1016/0091-6749\(86\)90424-0](https://doi.org/10.1016/0091-6749(86)90424-0)
- Busse, P. J., Christiansen, S. C., Birmingham, J. M., Overbey, J. R., Banerji, A., Otani, I. M., Lumry, W., Goryachkovsky, A., & Zuraw, B. L. (2019). Development of a health-related quality of life instrument for patients with hereditary angioedema living in the United States. *The Journal of*

- Allergy and Clinical Immunology: In Practice, 7(5), 1679-1683.e1677.
<https://doi.org/10.1016/j.jaip.2018.11.042>
- Bygum, A., Andersen, K. E., & Mikkelsen, C. S. (2009). Self-administration of intravenous C1-inhibitor therapy for hereditary angioedema and associated quality of life benefits. *Eur J Dermatol*, 19(2), 147-151. <https://doi.org/10.1684/ejd.2008.0603>
- Campbell, D. J., Krum, H., & Esler, M. D. (2005). Losartan Increases Bradykinin Levels in Hypertensive Humans. *Circulation*, 111(3), 315-320. <https://doi.org/10.1161/01.CIR.0000153269.07762.3B>
- Campos, R. A., Valle, S. O. R., & Toledo, E. C. (2021). Hereditary angioedema: a disease seldom diagnosed by pediatricians. *J Pediatr (Rio J)*, 97 Suppl 1(Suppl 1), S10-s16.
<https://doi.org/10.1016/j.jped.2020.10.011>
- Chinniah, N., & Katelaris, C. H. (2009). Hereditary angioedema and pregnancy. *Australian and New Zealand Journal of Obstetrics and Gynaecology*, 49(1), 2-5. <https://doi.org/10.1111/j.1479-828X.2008.00945.x>
- Cicardi, M., Bergamaschini, L., Cugno, M., Hack, E., Agostoni, G., & Agostoni, A. (1991). Long-term treatment of hereditary angioedema with attenuated androgens: a survey of a 13-year experience. *J Allergy Clin Immunol*, 87(4), 768-773. [https://doi.org/10.1016/0091-6749\(91\)90120-d](https://doi.org/10.1016/0091-6749(91)90120-d)
- Cicardi, M., Castelli, R., Zingale, L. C., & Agostoni, A. (1997). Side effects of long-term prophylaxis with attenuated androgens in hereditary angioedema: Comparison of treated and untreated patients. *Journal of Allergy and Clinical Immunology*, 99(2), 194-196. [https://doi.org/10.1016/S0091-6749\(97\)70095-2](https://doi.org/10.1016/S0091-6749(97)70095-2)
- Cicardi, M., Zingale, L. C., Pappalardo, E., Folcioni, A., & Agostoni, A. (2003). Autoantibodies and Lymphoproliferative Diseases in Acquired C1-Inhibitor Deficiencies. *Medicine*, 82(4).
<https://doi.org/10.1097/01.md.0000085055.63483.09>
- Craig, T., Aygören-Pürsün, E., Bork, K., Bowen, T., Boysen, H., Farkas, H., Grumach, A., Katelaris, C. H., Lockey, R., Longhurst, H., Lumry, W., Magerl, M., Martinez-Saguer, I., Ritchie, B., Nast, A., Pawankar, R., Zuraw, B., & Maurer, M. (2012). WAO Guideline for the Management of Hereditary Angioedema. *World Allergy Organ J*, 5(12), 182-199. <https://doi.org/10.1097/WOX.0b013e318279affa>
- Craig, T., Zuraw, B., Longhurst, H., Cicardi, M., Bork, K., Grattan, C., Katelaris, C., Sussman, G., Keith, P. K., Yang, W., Hébert, J., Hanzlikova, J., Staubach-Renz, P., Martinez-Saguer, I., Magerl, M., Aygören-Pürsün, E., Farkas, H., Reshef, A., Kivity, S.,...Jacobs, I. (2019). Long-Term

- Outcomes with Subcutaneous C1-Inhibitor Replacement Therapy for Prevention of Hereditary Angioedema Attacks. *The Journal of Allergy and Clinical Immunology: In Practice*, 7(6), 1793-1802.e1792. <https://doi.org/10.1016/j.jaip.2019.01.054>
- Davis, A. E., III. (2008). Hereditary angioedema: a current state-of-the-art review, III: mechanisms of hereditary angioedema. *Annals of Allergy, Asthma & Immunology*, 100(1), S7-S12. [https://doi.org/10.1016/S1081-1206\(10\)60580-7](https://doi.org/10.1016/S1081-1206(10)60580-7)
- Dewald, G., & Bork, K. (2006). Missense mutations in the coagulation factor XII (Hageman factor) gene in hereditary angioedema with normal C1 inhibitor. *Biochemical and Biophysical Research Communications*, 343(4), 1286-1289. <https://doi.org/10.1016/j.bbrc.2006.03.092>
- Donaldson, V. H., & Evans, R. R. (1963). A BIOCHEMICAL ABNORMALITY IN HEREDIATRY ANGIOEUROTIC EDEMA: ABSENCE OF SERUM INHIBITOR OF C' 1-ESTERASE. *The American Journal of Medicine*, 35(1), 37-44. [https://doi.org/10.1016/0002-9343\(63\)90162-1](https://doi.org/10.1016/0002-9343(63)90162-1)
- Donaldson, V. H., & Rosen, F. S. (1964). Action of Complement in Hereditary Angioneurotic Edema: The Role of C'1-Esterase. *The Journal of Clinical Investigation*, 43(11), 2204-2213. <https://doi.org/10.1172/JCI105094>
- Eidelman, F. J. (2010). Hereditary angioedema: New therapeutic options for a potentially deadly disorder. *BMC Hematology*, 10(1), 3. <https://doi.org/10.1186/1471-2326-10-3>
- Farkas, H., Czaller, I., Csuka, D., Vas, A., Valentin, S., Varga, L., Széplaki, G., Jakab, L., Füst, G., Prohászka, Z., Harmat, G., Visy, B., & Karádi, I. (2010). The effect of long-term danazol prophylaxis on liver function in hereditary angioedema—a longitudinal study. *European Journal of Clinical Pharmacology*, 66(4), 419-426. <https://doi.org/10.1007/s00228-009-0771-z>
- Farkas, H., Harmat, G., Füst, G., Varga, L., & Visy, B. (2002). Clinical management of hereditary angioedema in children. *Pediatric Allergy and Immunology*, 13(3), 153-161. <https://doi.org/10.1034/j.1399-3038.2002.01014.x>
- Farkas, H., Martinez-Saguer, I., Bork, K., Bowen, T., Craig, T., Frank, M., Germanis, A. E., Grumach, A. S., Luczay, A., Varga, L., & Zanichelli, A. (2017). International consensus on the diagnosis and management of pediatric patients with hereditary angioedema with C1 inhibitor deficiency. *Allergy*, 72(2), 300-313. <https://doi.org/10.1111/all.13001>
- Farkas, H., Varga, L., Széplaki, G. b., Visy, B. t., Harmat, G., & Bowen, T. (2007). Management of Hereditary Angioedema in Pediatric Patients. *Pediatrics*, 120(3), e713-e722. <https://doi.org/10.1542/peds.2006-3303>
-

- Farkas, H., Zotter, Z., Csuka, D., Szabó, E., Nébenführer, Z., Temesszentandrás, G., Jakab, L., Varga, L., Harmat, G., & Karádi, I. (2012). Short-term prophylaxis in hereditary angioedema due to deficiency of the C1-inhibitor--a long-term survey. *Allergy*, 67(12), 1586-1593.
<https://doi.org/10.1111/all.12032>
- Fragan, N., Tolentino, A. L. N., Borba, G. B., Oliveira, A. C., Simões, J. A., Palma, S. M. U., Constantino-Silva, R. N., & Grumach, A. S. (2018). Hereditary angioedema with C1 inhibitor (C1-INH) deficit: the strength of recognition (51 cases). *Braz J Med Biol Res*, 51(12), e7813.
<https://doi.org/10.1590/1414-431x20187813>
- Frank, M. M. (1979). Effect of sex hormones on the complement-related clinical disorder of hereditary angioedema. *Arthritis & Rheumatism*, 22(11), 1295-1299.
<https://doi.org/10.1002/art.1780221118>
- Frank, M. M. (2000). Urticaria and angioedema. In: Goldman L, Bennett JC, editors. *Cecil Textbook of Medicine*. 21st ed. W. B. Saunders Co
- Frank, M. M. (2006). Hereditary Angioedema: The Clinical Syndrome and its Management in the United States. *Immunology and Allergy Clinics of North America*, 26(4), 653-668.
<https://doi.org/10.1016/j.iac.2006.09.005>
- Frank, M. M. (2008). Hereditary angiodema: a current state-of-the-art review, VI: novel therapies for hereditary angioedema. *Annals of Allergy, Asthma & Immunology*, 100(1), S23-S29.
[https://doi.org/10.1016/S1081-1206\(10\)60583-2](https://doi.org/10.1016/S1081-1206(10)60583-2)
- Frank, M. M., Gelfand, J. A., & Atkinson, J. P. (1976). Hereditary Angioedema: the Clinical Syndrome and Its Management. *Annals of Internal Medicine*, 84(5), 580-593. <https://doi.org/10.7326/0003-4819-84-5-580>
- Germenis, A. E., Margaglione, M., Pesquero, J. B., Farkas, H., Cichon, S., Csuka, D., Lera, A. L., Rijavec, M., Jolles, S., Szilagyi, A., Trascasa, M. L., Veronez, C. L., Drouet, C., & Zamanakou, M. (2020). International Consensus on the Use of Genetics in the Management of Hereditary Angioedema. *J Allergy Clin Immunol Pract*, 8(3), 901-911.
<https://doi.org/10.1016/j.jaip.2019.10.004>
- Gompels, M. M., Lock, R. J., Abinun, M., Bethune, C. A., Davies, G., Grattan, C., Fay, A. C., Longhurst, H. J., Morrison, L., Price, A., Price, M., & Watters, D. (2005). C1 inhibitor deficiency: consensus document. *Clinical and Experimental Immunology*, 139(3), 379-394.
<https://doi.org/10.1111/j.1365-2249.2005.02726.x>
-

- Graves, R. (1843). Clinical lectures on the practice of medicine, in Major, R.H., ed. (1955) (3rd ed.). Charles C. Thomas Pub Ltd, 623- 624.
- Guan, X., Sheng, Y., Liu, S., He, M., Chen, T., & Zhi, Y. (2024). Epidemiology, economic, and humanistic burden of hereditary angioedema: a systematic review. *Orphanet Journal of Rare Diseases*, 19(1), 256. <https://doi.org/10.1186/s13023-024-03265-z>
- Gülbahar, O. (2021). Angioedema without wheals: a clinical update. *Balkan Med J*, 38(2), 73-81. <https://doi.org/10.5152/balkanmedj.2021.20060>
- Jurado-Palomo, J., Muñoz-Caro, J. M., López-Serrano, M. C., Prior, N., Cabañas, R., Pedrosa, M., Burgueño, M., & Caballero, T. (2013). Management of dental-oral procedures in patients with hereditary angioedema due to C1 inhibitor deficiency. *J Investig Allergol Clin Immunol*, 23(1), 1-6. <http://www.jiaci.org/issues/vol23issue1/1.pdf>
- Landerman, N. S. (1962). Hereditary angioneurotic edema: I. Case reports and review of the literature. *Journal of Allergy*, 33(4), 316-329. [https://doi.org/10.1016/0021-8707\(62\)90031-X](https://doi.org/10.1016/0021-8707(62)90031-X)
- Li, H. H. (2020). Hereditary angioedema: Long-term prophylactic treatment. *Allergy Asthma Proc*, 41(Suppl 1), S35-s37. <https://doi.org/10.2500/aap.2020.41.200092>
- Longhurst, H. J. (2005). Emergency treatment of acute attacks in hereditary angioedema due to C1 inhibitor deficiency: what is the evidence? *International Journal of Clinical Practice*, 59(5), 594-599. <https://doi.org/10.1111/j.1742-1241.2005.00352.x>
- Longhurst, H., Cicardi, M., Craig, T., Bork, K., Grattan, C., Baker, J., Li, H. H., Reshef, A., Bonner, J., Bernstein, J. A., Anderson, J., Lumry, W. R., Farkas, H., Katelaris, C. H., Sussman, G. L., Jacobs, J., Riedl, M., Manning, M. E., Hebert, J.,...Zuraw, B. L. (2017). Prevention of Hereditary Angioedema Attacks with a Subcutaneous C1 Inhibitor. *N Engl J Med*, 376(12), 1131-1140. <https://doi.org/10.1056/NEJMoa1613627>
- Magerl, M. A. K., Riedl, M. A., Newcomer, S. D., Supina, D., & Krishnarajah, G. (2018). The Predictability of Attacks in Patients with Hereditary Angioedema. *Journal of Allergy and Clinical Immunology*, 141(2), AB57. <https://doi.org/10.1016/j.jaci.2017.12.184>
- Magerl, M., Germenis, A. E., Maas, C., & Maurer, M. (2017). Hereditary Angioedema with Normal C1 Inhibitor: Update on Evaluation and Treatment. *Immunology and Allergy Clinics of North America*, 37(3), 571-584. <https://doi.org/10.1016/j.iac.2017.04.004>

- Maurer, M., Longhurst, H. J., Fabien, V., Li, H. H., & Lumry, W. R. (2014). Treatment of hereditary angioedema with icatibant: efficacy in clinical trials versus effectiveness in the real-world setting. *Allergy Asthma Proc*, 35(5), 377-381. <https://doi.org/10.2500/aap.2014.35.3780>
- Maurer, M., Magerl, M., Ansotegui, I., Aygören-Pürsün, E., Betschel, S., Bork, K., Bowen, T., Boysen, H. B., Farkas, H., Grumach, A. S., Hide, M., Katelaris, C., Lockey, R., Longhurst, H., Lumry, W. R., Martinez-Saguer, I., Moldovan, D., Nast, A., Pawankar, R.,...Craig, T. (2018). The international WAO/EAACI guideline for the management of hereditary angioedema – the 2017 revision and update. *World Allergy Organization Journal*, 11. <https://doi.org/10.1186/s40413-017-0180-1>
- Mendivil, J., DerSarkissian, M., Banerji, A., Diwakar, L., Katelaris, C. H., Keith, P. K., Kim, H., Lacuesta, G., Magerl, M., Slade, C., Smith, W. B., Choudhry, Z., Simon, A., Sarda, S. P., & Busse, P. J. (2023). A multicenter chart review of patient characteristics, treatment, and outcomes in hereditary angioedema: unmet need for more effective long-term prophylaxis. *Allergy, Asthma & Clinical Immunology*, 19(1), 48. <https://doi.org/10.1186/s13223-023-00795-2>
- Miranda, A. R., Ue, A. P., Sabbag, D. V., Furlani Wde, J., Souza, P. K., & Rotta, O. (2013). Hereditary angioedema type III (estrogen-dependent) report of three cases and literature review. *An Bras Dermatol*, 88(4), 578-584. <https://doi.org/10.1590/abd1806-4841.20131818>
- Nzeako, U. C., Frigas, E., & Tremaine, W. J. (2001). Hereditary Angioedema: A Broad Review for Clinicians. *Archives of Internal Medicine*, 161(20), 2417-2429. <https://doi.org/10.1001/archinte.161.20.2417>
- O'Bier, A., Muñiz, A. E., & Foster, R. L. (2005). Hereditary Angioedema Presenting as Epiglottitis. *Pediatric Emergency Care*, 21(1). <https://doi.org/10.1097/01.pec.0000150985.81109.0d>
- Osler, W. (2010). Landmark Publication from The American Journal of the Medical Sciences: Hereditary Angio-Neurotic Oedema. *The American Journal of the Medical Sciences*, 339(2), 175-178. <https://doi.org/10.1097/MAJ.0b013e3181b2803f>
- Postnikoff, I. M., & Pritzker, K. P. H. (1979). Hereditary Angioneurotic Edema: An Unusual Case of Maternal Mortality. *Journal of Forensic Sciences*, 24(2), 473-478. <https://doi.org/10.1520/JFS10855J>
- Prematta, M. J., Kemp, J. G., Gibbs, J. G., Mende, C., Rhoads, C., & Craig, T. J. (2009). Frequency, timing, and type of prodromal symptoms associated with hereditary angioedema attacks. *Allergy Asthma Proc*, 30(5), 506-511. <https://doi.org/10.2500/aap.2009.30.3279>
-

- Prematta, M. J., Prematta, T., & Craig, T. J. (2008). Treatment of hereditary angioedema with plasma-derived C1 inhibitor. *Ther Clin Risk Manag*, 4(5), 975-982. <https://doi.org/10.2147/tcrm.s3172>
- Prior, N., Remor, E., Gómez-Traseira, C., López-Serrano, C., Cabañas, R., Contreras, J., Campos, Á., Cardona, V., Cimbollek, S., González-Quevedo, T., Guilarte, M., de Rojas, D. H., Marcos, C., Rubio, M., Tejedor-Alonso, M., & Caballero, T. (2012). Development of a disease-specific quality of life questionnaire for adult patients with hereditary angioedema due to C1 inhibitor deficiency (HAE-QoL): Spanish multi-centre research project. *Health Qual Life Outcomes*, 10, 82. <https://doi.org/10.1186/1477-7525-10-82>
- Quincke, H. (1882). Acute circumscribed edema of the skin. *Monatsh-Prakt. Derm*, 1, 129-131.
- Riedl, M. A., Johnston, D. T., Anderson, J., Meadows, J. A., Soteres, D., LeBlanc, S. B., Wedner, H. J., & Lang, D. M. (2022). Optimization of care for patients with hereditary angioedema living in rural areas. *Annals of Allergy, Asthma & Immunology*, 128(5), 526-533. <https://doi.org/10.1016/j.anai.2021.09.026>
- Roche, O., Blanch, A., Caballero, T., Sastre, N., Callejo, D., & López-Trascasa, M. (2005). Hereditary angioedema due to C1 inhibitor deficiency: patient registry and approach to the prevalence in Spain. *Annals of Allergy, Asthma & Immunology*, 94(4), 498-503. [https://doi.org/10.1016/S1081-1206\(10\)61121-0](https://doi.org/10.1016/S1081-1206(10)61121-0)
- Rosen, F. S., Charache, P., Pensky, J., & Donaldson, V. (1965). Hereditary Angioneurotic Edema: Two Genetic Variants. *Science*, 148(3672), 957-958. <https://doi.org/doi:10.1126/science.148.3672.957>
- Széplaki, G., Varga, L., Valentin, S., Kleiber, M., Karádi, I., Romics, L., Füst, G., & Farkas, H. (2005). Adverse effects of danazol prophylaxis on the lipid profiles of patients with hereditary angioedema. *Journal of Allergy and Clinical Immunology*, 115(4), 864-869. <https://doi.org/10.1016/j.jaci.2004.12.1130>
- Trainotti, S., Johnson, F., Hahn, J., Hofauer, B., Greve, J., Wollenberg, B., Hoffmann, T. K., & Lochbaum, R. (2023). Acquired Angioedema Due to C1-Inhibitor Deficiency (AAE-C1-INH) 2014; A Bicenter Retrospective Study on Diagnosis, Course, and Therapy. *The Journal of*

- Allergy and Clinical Immunology: In Practice, 11(12), 3772-3779.
<https://doi.org/10.1016/j.jaip.2023.09.003>
- Valerieva, A., & Longhurst, H. J. (2022). Treatment of hereditary angioedema-single or multiple pathways to the rescue. *Front Allergy*, 3, 952233. <https://doi.org/10.3389/falgy.2022.952233>
- Weller, K., Groffik, A., Magerl, M., Tohme, N., Martus, P., Krause, K., Metz, M., Staubach, P., & Maurer, M. (2012). Development and construct validation of the angioedema quality of life questionnaire. *Allergy*, 67(10), 1289-1298. <https://doi.org/10.1111/all.12007>
- Weller, K., Magerl, M., Peveling-Oberhag, A., Martus, P., Staubach, P., & Maurer, M. (2016). The Angioedema Quality of Life Questionnaire (AE-QoL) – assessment of sensitivity to change and minimal clinically important difference. *Allergy*, 71(8), 1203-1209.
<https://doi.org/10.1111/all.12900>
- Winnewisser, J., Rossi, M., SpÄTh, P., & BÜRgi, H. (1997). Type I hereditary angio-oedema. Variability of clinical presentation and course within two large kindreds. *Journal of Internal Medicine*, 241(1), 39-46. <https://doi.org/10.1046/j.1365-2796.1997.76893000.x>
- Wu, M. A. (2019). Lanadelumab for the treatment of hereditary angioedema. *Expert Opinion on Biological Therapy*, 19(12), 1233-1245. <https://doi.org/10.1080/14712598.2019.1685490>
- Zarnowski, J., & Treudler, R. (2024). Dietary and physical trigger factors in hereditary angioedema: Self-conducted investigation and literature overview. *Allergol Select*, 8, 358-364.
<https://doi.org/10.5414/alx02523e>
- Zingale, L. C., Beltrami, L., Zanichelli, A., Maggioni, L., Pappalardo, E., Cicardi, B., & Cicardi, M. (2006). Angioedema without urticaria: a large clinical survey. *Canadian Medical Association Journal*, 175(9), 1065-1070. <https://doi.org/10.1503/cmaj.060535>
- Zuraw, B. L. (2008). Hereditary Angioedema. *New England Journal of Medicine*, 359(10), 1027-1036.
<https://doi.org/doi:10.1056/NEJMcp0803977>
- Zuraw, B. L. (2018). Hereditary angioedema with normal C1 inhibitor: Four types and counting. *Journal of Allergy and Clinical Immunology*, 141(3), 884-885. <https://doi.org/10.1016/j.jaci.2018.01.015>
- Zuraw, B. L., & Herschbach, J. (2000). Detection of C1 inhibitor mutations in patients with hereditary angioedema. *Journal of Allergy and Clinical Immunology*, 105(3), 541-546.
<https://doi.org/10.1067/mai.2000.104780>
- Zuraw, B., Lumry, W., Banerji, A., Aygoren-Pursun, E., Bernstein, J., Johnston, D., Christiansen, S., Riedl, M., Cicardi, M., Maurer, M., Cornpropst, M., Dobo, S., Iocca, H., Nagy, E., Murray, S.,

Collis, P., & Sheridan, W. (2019). P150 ORAL PROPHYLAXIS WITH BCX7353 REDUCES HAE ATTACK RATES AND IS WELL-TOLERATED: APEX-2 STUDY RESULTS. *Annals of Allergy, Asthma & Immunology*, 123(5), S27. <https://doi.org/10.1016/j.anai.2019.08.254>

NOTE: There is a separate ASCIA reference list for Immunodeficiency publications on the ASCIA website www.allergy.org.au/hp/papers#p4