

Conteúdo Programático, Bibliografia (indicação opcional) e Sistematização da Prova Prática (quando houver)

Edital UFRJ nº 875, de 19 de setembro de 2025 - Publicado em: 22/09/2025

Haverá Prova Prática: ☐ Sim ☒ Não

Unidade			
Código da Opção de Vaga	MC-027	Departamento ou Programa / Setorização Definitiva	CLÍNICA MÉDICA / IMUNOLOGIA
Conteúdo Programático	1- O SISTEMA IMUNOLÓGICO 2- RINOSSINUSOPATIA ALÉRGICA 3- ASMA 4- ASPERGILOSE BRONCOPULMONAR ALÉRGICA 5- DERMATITE ATÓPICA 6- DERMATITE DE CONTATO 7- URTICÁRIA E ANGIOEDEMA 8- REAÇÕES ADVERSAS A MEDICAMENTOS E VACINAS 9- ANAFILAXIA 10- TOSSE CRÔNICA 11- SÍNDROMES HIPEREOSINOFÍLICAS 12- MÉTODOS DIAGNÓSTICOS EM ALERGIA E IMUNOLOGIA 13- IMUNOTERAPIA ALÉRGENO-ESPECÍFICA 14- ERROS INATOS DA IMUNIDADE 15- IMUNODEFICIÊNCIAS SECUNDÁRIAS		
Bibliografia (indicação opcional)	LIVROS-TEXTO - TODOS OS TEMAS Solé D, Rosário Filho NA; Rubini NPM. Compêndio de Alergia e Imunologia Clínico – do básico à prática clínica. Editora dos Editores, 2021. Goudouris ES, Grumach AS, Condino Neto A, Aranda C, Solé D. Erros Inatos da Imunidade. Atheneu, 2023. Abbas AK, Lichtman AH, Pillai S. Cellular and Molecular Immunology - 10th Edition, Elsevier, 2022. Kalil J, Motta AA, Agondi R. Alergia e Imunologia - Aplicação Clínica. 2ª edição, Atheneu, 2021.		

Sullivan KE, Stiehm RE. Stiehm's Immune Deficiencies. Inborn Errors of Immunity. 2nd edition, Elsevier, 2020.

Fernandes FR, Capelo AV, Melo ACCDB. Manual Prático de Alergia e Imunologia – Editora Atheneu, 2022.

Watanabe AS; Sales V; Rubini N; Sarinho E; Geller Mario. Livro LER eletrônico de referência sobre Anafilaxia. 1^a. edição. Site da ASBAI, Junho 2021.

REFERÊNCIAS ADICIONAIS

ANAFILAXIA

Antonella Muraro ,MargittaWorm , Cherry Alviani , Victoria Cardona , Audrey DunnGalvin, et al. EAACI guidelines: Anaphylaxis (2021 update) Allergy 2022;77(2):357-377.

Volcheck GW, Melchior BB, Farooque S, Gonzalez-Estrada A, Mertes PM, et al. Perioperative Hypersensitivity Evaluation and Management: a Practical Approach. J Allergy Clin Immunol Pract. 2023;11(2):382-392.

Capelo AV, Lacerda AE, Silva J, Bittar RN, Riberio MR, Watanabe AS, et al. Anafilaxia: atualizando as recomendações do PracticeParameter 2023. Arq Asma AlergImunol. 2024;8(3):225-34.

ANGIOEDEMA

Maurer M, Magerl M, Betschel S, Aberer W, Ansotegui IJ, Aygören-Pürsün E, et al. The International WAO/EAACI Guideline for the Management of Hereditary Angioedema-The 2021 Revision and Update. Allergy 2022; 77(7):1961-90. doi.org/10.1111/all.15214.

VeronezCL , Csuka D , Sheikh FR, Zuraw BL , Farkas H, Bork K. The Expanding Spectrum of Mutations in Hereditary Angioedema. J Allergy Clin Immunol Pract 2021; 9(6):2229-34.

Mormile I, Suffritti C, Bova M. Exploring the management of recurrent angioedema caused by different mechanisms. Curr Opin Allergy Clin Immunol. 2025 Feb 1;25(1):47-57. doi: 10.1097/ACI.0000000000001047.

Reshef A, Buttgerit T, Betschel SD, Caballero T, Farkas H, Grumach AS, Hide M et al. Definition, acronyms, nomenclature, and classification of angioedema (DANCE): AAAAI, ACAAI, ACARE, and APAAACI DANCE consensus. J Allergy Clin Immunol. 2024 Aug;154(2):398-411.e1. doi: 10.1016/j.jaci.2024.03.024.

Belbézier A, Bocquet A, Bouillet L. Idiopathic Angioedema: current challenges. J Asthma Allergy. 2020; 13:137–144.

Giavina-Bianchi P, Vivolo Aun M, Giavina-Bianchi M, Ribeiro AJ, Camara Agondi R, Motta AA, Kalil J. Hereditary angioedema classification: Expanding knowledge by genotyping and endotyping. World Allergy Organ J. 2024 May 23;17(5):100906. doi: 10.1016/j.waojou.2024.100906.

Campos RA, Serpa FS, Mansour E, Alonso MLO, Arruda LK, Aun MV et al. Diretrizes brasileiras do angioedema hereditário 2022 – Parte 1: definição, classificação e diagnóstico. Arq Asma AlergImunol. 2022;6(2):151-69. doi.org/10.5935/2526-5393.20220019.

Campos RA, Serpa FS, Mansour E, et al. Diretrizes brasileiras do angioedema hereditário 2022 – Parte 2: terapêutica. Arq Asma AlergImunol. 2022;6(2):170-96. doi.org/10.5935/2526-5393.20220020.

ASMA / ASPERGILOSE BRONCOPULMONAR ALÉRGICA / TOSSE CRÔNICA

Global Initiative for Asthma - GINA Report, Global Strategy for Asthma Management and Prevention - Report 2025. <https://ginasthma.org>.

Global Initiative for Asthma - Difficult to treat and severe asthma in adolescent and adult patients, 2025. <https://ginasthma.org>.

Serpa FS, Wandalsen GF, Valle SOR, Machado AS, França AT, Cruz AA, et al. Aspergilose Broncopulmonar Alérgica (ABPA): guia da Associação Brasileira de Alergia e Imunologia para o diagnóstico e manejo. Arq Asma Alerg Imunol. 2024;8(3):189-212.

Satia I, Hassan W, Lorcan McGarvey L, et al. The Clinical Approach to Chronic Cough. J Allergy Clin Immunol Pract 2025;13:454-66. doi10.1016/j.jaip.2024.11.004.

Morice AH, Millqvist E, Bieksiene K, et al. ERS guidelines on the diagnosis and treatment of chronic cough in adults and children. Eur Respir J 2020; 55: 1901136. doi:10.1183/13993003.01136-2019.

DERMATITE ATÓPICA

Siegels D, et al European Academy of Allergy, Clinical Immunology Atopic Dermatitis Guideline group. Systemic treatments in the management of atopic dermatitis: A systematic review and meta-analysis. Allergy 2021 Apr;76(4): 1053-76. doi: 10.1111/all.14631.

Prado E, Pastorino AC, Harari DK, Mello MC, et al. Dermatite atópica grave: guia prático de tratamento da Associação Brasileira de Alergia e Imunologia e Sociedade Brasileira de Pediatria. Arq Asma AlergImunol 2022; 6(4):432-67 DOI: 10.5935/2526-5393.20220053.

Wollenberg A, Kinberger M, B. Arents B, et al. European guideline (EuroGuiDerm) on atopic eczema: part I – systemic therapy. JEADV 2022, 36, 1409–1431. DOI: 10.1111/jdv.18345.

Wollenberg A, Kinberger M, B. Arents B, et al. European guideline (EuroGuiDerm) on atopic eczema: part II - non-systemic treatments and treatment recommendations for special AE patient populations. JEADV 2022; 36(11):1904-1926. doi: 10.1111/jdv.18429.

Chu DK, Schneider L, Rachel Netahe Asiniwasis RN, et al. Atopic dermatitis (eczema) guidelines: 2023 American Academy of Allergy, Asthma and Immunology/American College of Allergy, Asthma and Immunology Joint Task Force on Practice Parameters GRADE- and Institute of Medicine-based recommendations. Ann Allergy Asthma Immunol 2023; 18:S1081-11206(23)01455-2. doi: 10.1016/j.anai.2023.11.009.

Bakker D, Bruin-Weller M , MD, Drylewicz J, et al. Biomarkers in atopic dermatitis. J Allergy Clin Immunol 2023;151:1163-8. doi: 10.1016/j.jaci.2023.01.019.

De Benedetto A, Boguniewicz M, Ong PY, et al. Atopic Dermatitis (Eczema) Guidelines 2023: Highlights. (J Allergy Clin Immunol Pract2024;12:2955-65. doi.org/10.1016/j.jaip.2024.08.052.

Chiricozzi A, Maurelli M, Calabrese L, Peris K and Girolomon G. Overview of Atopic Dermatitis in Different Ethnic Groups. J Clin Med 2023;12(7):2701. doi: 10.3390/jcm12072701.

Nomura T, Wu J, Kabashima K, Guttman-Yassky E. Endophenotypic Variations of Atopic Dermatitis by Age, Race, and Ethnicity J Allergy Clin Immunol Pract. 2020 Jun;8(6):1840-1852. doi: 10.1016/j.jaip.2020.02.022.

DERMATITE DE CONTATO

Systemic allergic dermatitis (systemic contact dermatitis) from pharmaceutical Drugs: A review. Anton C. de Groot. Contact Dermatitis 2021:1-20.

Neale H, Anna Cristina Garza-Mayers AC, Idy Tam I, JiaDe Yu JD, Pediatric allergic contact dermatitis. Part 1: Clinical features and common contact allergens in children. J Am Acad Dermatol. 2021; 84(2):235-244. doi:10.1016/j.jaad.2020.11.002.

Neale H, Anna Cristina Garza-Mayers AC, Idy Tam I, JiaDe Yu JD, Pediatric allergic contact dermatitis. Part 2: Patch testing series, procedure, and unique scenarios. J Am Acad Dermatol 2021; 84(2):247-255. doi:10.1016/j.jaad.2020.11.001.

Tramontana M, Hansel K, Bianchi L, Sensini C, Malatesta N, Stingeni L. Advancing the understanding of allergic contact dermatitis: from pathophysiology to novel therapeutic approaches. Front Med (Lausanne). 2023; 10:1184289.

Dupuy, E., Miller, M. & Harter, N. What We Have Learned–Milestones in Pediatric Contact Dermatitis. CurrDerm Rep 11, 1–12 (2022). <https://doi.org/10.1007/s13671-022-00353-w>.

Weber C W, Belluco PES e Mendes KA. Série Alergia e Imunologia da ASBAI - Dermatite de contato. Rio de Janeiro: Editora Atheneu, 2022.

JOHANSEN, Jeanne Duus et al. Novel insights into contact dermatitis. J Allergy Clin Immunol 2022; 149(4):1162-1171.

ERROS INATOS DA IMUNIDADE

Poli MC, Aksentijevich I, Bousfiha A, Cunningham-Rundles C, Hambleton S, Klein C et al. Human inborn errors of immunity: 2024 Update on the classification from the International Union of Immunological Societies Expert Committee. J. Hum. Immunol.2025. Disponível em <https://wpuiis.s3.eu-west-1.amazonaws.com/app/uploads/2025/01/08170257/IEI-Final-Update-of-2024-Report-Jan-2025.pdf>.

Campbell E, Shaker MS, Williams KW. Clinical updates in inborn errors of immunity: a focus on the noninfectious clinical manifestations. Curr Opin Pediatr. 2024.1;36(2):228-236.

	Cordero E, Goycochea-Valdivia W, Mendez-Echevarria A, et al. Executive summary of the Consensus Document on the diagnosis and management of patients with primary immunodeficiencies. <i>J Allergy Clin Immunol Pract.</i> 2020;8:3342-7. Tuano et al. Chinen J. Secondary immunodeficiencies: an overview. <i>Ann Allergy Asthma Immunol.</i> 2021, 127: 617–626. Otani et al. Practical guidance for the diagnosis and management of secondary hypogammaglobulinemia: a Work Group Report of the AAAAI Primary Immunodeficiency and Altered Immune Response Committees. <i>J Allergy Clin Immunol.</i> 2022; 149: 1525-60. Buccioli et al. Defining Polysaccharide Antibody Deficiency: Measurement of Anti-Pneumococcal Antibodies and Anti-Salmonella typhi Antibodies in a Cohort of Patients with Recurrent Infections. <i>J Clin Immunol.</i> 2020;40(1):105-113. Papa R, Penco F, Volpi S, Sutera D, Caorsi R, Gattorno M. Syndrome of Undifferentiated Recurrent Fever (SURF): An Emerging Group of Autoinflammatory Recurrent Fevers. <i>Journal of Clinical Medicine.</i> 2021; 10(9):1963-1977. Ashari KA, Hausmann JS, Dedeoglu F. Update on autoinflammatory diseases. <i>Curr Opin Rheumatol.</i> 2023. 35(5), 285-292. An J, Marwaha A, Laxer RM. Autoinflammatory diseases: a review. <i>The Journal of Rheumatology.</i> 2024;51(9): 848-861. Blackstone SA, Kastner DL, Broderick L. Autoinflammatory syndromes: Updates in management. <i>Journal of Allergy and Clinical Immunology.</i> 2024;153(1), 85-89. Frederik Staels, et al. Monogenic Adult-Onset Inborn Errors of Immunity. <i>Front Immunol.</i> 2021; 12: 753978. Segundo GRS, Condino-Neto A. Treatment of patients with immunodeficiency: Medication, gene therapy, and transplantation. <i>J Pediatr (Rio J).</i> 2021;97 Suppl 1(Suppl 1):S17-S23. Romberg N, Le Coz C. Common variable immunodeficiency, cross currents, and prevailing winds. <i>Immunol Rev.</i> 2023 Nov 28. Perez E. Future of Therapy for Inborn Errors of Immunity. <i>Clin Rev Allergy Immunol.</i> 2022;63(1):75-89. IMUNOTERAPIA Aarestrup FM, Taketomi EA, Santos Galvão CE, Gagete E, et al. Good clinical practice recommendations in allergen immunotherapy: Position paper of the Brazilian Association of Allergy and Immunology - ASBAI. <i>World Allergy Organ J.</i> 2022 Sep 24;15(10):100697. doi:10.1016/j.waojou.2022.100697. Aarestrup FM, Taketomi EA, Gagete E, Galvão, Sarinho ESC. Série Alergia e Imunologia da ASBAI - Imunoterapia com Alérgenos. Rio de Janeiro: Editora Atheneu, 2022. Aarestrup FM, Taketomi EA, Santos Galvão CE, Alves GB, et al. Transition between subcutaneous and sublingual allergen immunotherapy: Recommendations of the Brazilian Association of Allergy and Immunology (ASBAI). <i>J Allergy Clin Immunol Glob.</i> 2024 May 18;3(3):100281. doi: 10.1016/j.jacig.2024.100281.
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Alvaro-Lozano M ,Akdis CA, Akdis M, et al. Allergen immunotherapy in children user's guide. Pediatric allergy and immunology 2020; Suppl 25(Suppl 25):1-101. doi: 10.1111/pai.13189.

Pavón-Romero G.F, Parra-Vargas M.I, Ramírez-Jiménez, F, et al. Allergen Immunotherapy: Current and Future Trends. Cells 2022; 11(2):212. doi: 10.3390/cells11020212.

Durham SR & Shamji, MH. Allergen immunotherapy: past, present and future. Nat Rev Immunol 2023; 23(5):317-328. doi: 10.1038/s41577-022-00786-1.

Kappen J, Diamant Z, Agache I, et al. Standardization of clinical outcomes used in allergen immunotherapy in allergic asthma: An EAACI position paper. Allergy. 2023; 78(11): 2835-50. doi: 10.1111/all.15817.

Sahiner UM, Giovannini M, Escribese MM, et al. Mechanisms of Allergen Immunotherapy and Potential Biomarkers for Clinical Evaluation." Journal of Personalized Medicine 2023; 13(5):845. doi:10.3390/jpm13050845.

Asllani J, Mitsias D, Konstantinou G, et al. Adverse events in children and adolescents undergoing allergen immunotherapy for respiratory allergies—Report from the Allergen Immunotherapy Adverse Events Registry (ADER), a European Academy of Allergy and Clinical Immunology taskforce." Clinl Transl Allergy 2023; 13(6):e12250. doi:10.1002/clt2.12250.

Guo BC, Wu KH, Chen CY, Lin WY, Chang YJ, Lin MJ, Wu HP. Advancements in Allergen Immunotherapy for the Treatment of Atopic Dermatitis. Int J Mol Sci. 2024 Jan 21;25(2):1316. doi: 10.3390/ijms25021316.

Roberts G, Pfaar O, Akdis CA, Ansotegui IJ, Durham SR, et al. EAACI Guidelines on Allergen Immunotherapy: Allergic rhinoconjunctivitis. Allergy. 2018 Apr;73(4):765-798. doi:10.1111/all.13317.

REAÇÕES DE HIPERSENSIBILIDADE A MEDICAMENTOS

Brockow K, Michael R Ardern-Jones, Mockenhaupt M, et al – EAACI position paper on how to classify cutaneous manifestations of drug hypersensitivity – Allergy 2019; 74(1): 14-27. doi: 10.1111/all.13562.

Aun MV, Malaman MF, Felix MMR, et al – Testes in vivo nas reações de hipersensibilidade a medicamentos – Parte I: testes cutâneos – Arq Asma Alerg Immunol 2018; 2(4): 390-398.

Aun MV, Malaman MF, Felix MMR, et al – Testes in vivo nas reações de hipersensibilidade a medicamentos – Parte II: testes de provocação – Arq Asma Alerg Immunol 2019; 3(1): 7-12.

Aun MV, Agondi RC, Lacerda DC, Menezes UP, Ferreira MIPL, Rodrigues AT, et al. Atualizações em reações de hipersensibilidade aos anti-inflamatórios não esteroidais – Parte 2. Manifestações clínicas, fenótipos, diagnóstico e manejo. Arq Asma Alerg Immunol. 2022; 6(4):468-482.

Marcelino FC, Morgenstern B, Garro LS, Gomes TMG, Felix MMR, Aun MV, et al. Reações aos meios de contraste iodados – aspectos práticos. Arq Asma Alerg Immunol. 2014; 8(2):116-124.

Bavbek S, Pagani M , Alvarez-Cuesta E, et al. Hypersensitivity reactions to biologicals: An EAACI position paper. Allergy 2022;77(1):39-54.

Kidon M , Blanca-Lopez N, Gomes E , et al. EAACI/ENDA Position Paper: Diagnosis and management of hypersensitivity reactions to non-steroidal anti-inflammatory drugs (NSAIDs) in children and adolescents. Pediatr Allergy Immunol. 2018;29(5):469-480.

Barbaud A, Garvey L, Torres M, et al. EAACI/ENDA position paper on drug provocation testing. Allergy. 2024 Mar;79(3):565-579. doi: 10.1111/all.15996.

Brockow K, Wurpts G, Trautmann A, Pfützner W, Treudler R, Bircher AJ, et al.. Guideline for allergological diagnosis of drug hypersensitivity reactions. :Allergol Select. 2023 Aug 9;7:122-139.

Jutel M , Agache I, Zemelka-Wiacek M ,et al. . Nomenclature of allergic diseases and hypersensitivity reactions: Adapted to modern needs: An EAACI position paper. Allergy. 2023 Nov;78(11):2851-2874.

RINOSSINUSITE

Wang M, Li Y, Li J, Yan B, Wang C, Zhang L, Lan F. New insights into the endotypes of chronic rhinosinusitis in the biologic era. J Allergy Clin Immunol. 2025 Feb 20:S0091-6749(25)00211-8. doi: 10.1016/j.jaci.2025.02.015.

Rinossinusites: Evidências e Experiências – 2024. <https://aborlccf.org.br/wpcontent/uploads/2024/11/ABORL-CCF-Consenso-Rinossinusite-2024-4.pdf>.

Wise SK, Damask C, Roland L, et al. International consensus statement on allergy and rhinology: Allergic rhinitis – 2023. Int Forum Allergy Rhinol 2023; 13:293–859. doi:10.1002/alr.23090.

Zhou Y, Chen R, Kong L, Sun Y and Deng J. Neuroimmune communication in allergic rhinitis. Front. Neurol. 2023; 21(14):1282130. DOI 10.3389/fneur.2023.1282130

Fokkens WJ, Viskens AS, Backer V, et al. EPOS/EUFOREA update on indication and evaluation of Biologics in Chronic Rhinosinusitis with Nasal Polyps 2023. Rhinology 2023;61(3):194-202. doi.org/10.4193/Rhin22.489.

URTICÁRIA

Dias GAC, Agondi RC, Brandão LS, Mansour E, Santos PFAM, Campinhos FL et al. Atualização do Guia Prático da Associação Brasileira de Alergia e Imunologia para o Diagnóstico e Tratamento da Urticária baseado na diretriz internacional. Arq Asma Alerg Immunol 2024;8(2): 91-115.

Zuberbier T, Ensina LF, Giménez-Arnau A, Grattan C, Kocatürk E, Kulthanan K et al. Chronic urticaria: unmet needs, emerging drugs, and new perspectives on personalised treatment. The Lancet 2024; 404: 393-404.

Zuberbier T; Latiff AHA, Abuzakouk M, et al. The international EAACI/GA(2)

	LEN/EuroGuiDerm/APAAACI Guideline for the definition, classification, diagnosis, and management of urticaria. Allergy 2022; 77(3):734-766. DOI: 10.1111/all.15090. Mello JML, et al. Guia prático do tratamento com omalizumabe para urticária crônica espontânea. Arq Asma AlergImunol 2020;4(3):289-99. Junior SDD, Azizi GG, Sousa ACM, Lupi O, França AT, Valle SOR. Urticárias crônicas induzidas: atualização do tema. Arq Asma AlergImunol. 2020;4(3):305-316. Ensina LFE, Valle SR, Campos RA, Rubini NPM. Série Alergia e Imunologia da ASBAI -Urticária. Rio de Janeiro: Editora Atheneu; 2023. 153 p. Bastos-Junior RM, Dias GD, Dortas-Junior SD, Kuschnir FG, Valle SOR. Biomarcadores na urticária crônica: qual o seu papel? Arq Asma AlergImunol 2023;7(3): 249-258. Kolkhir P, Giménez-Arnau AM, Kulthanan K, Peter J, Metz M, Maurer M. Urticaria. Nat Rev Dis Primers. 2022 Sep 15;8(1):61. doi: 10.1038/s41572-022-00389-z. PMID: 36109590. Brandão LS, Melo JML, Dias GA, et al. Guia prático de urticária para grupos especiais de pacientes. Arq Asma AlergImunol 2022;6(2): 197-213. Alcântara CT, Raeder DFT, Campinhos FL, et al. Guia prático de urticária aguda. Arq Asma AlergImunol 2022;6(2): 214-24.
Sistematização da Prova Prática	NÃO HAVERÁ PROVA PRÁTICA