

MANEJO ODONTOLÓGICO DAS TOXICIDADES ORAIS APÓS O TRANSPLANTE DE CÉLULAS TRONCO HEMATOPOIÉTICAS: REVISÃO DE LITERATURA

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OBJETIVO

Identificar os principais eventos adversos orais decorrentes do transplante de células tronco hematopoiéticas (TCTH) e seus respectivos tratamentos, através de uma revisão de literatura narrativa.

MATERIAIS E MÉTODOS

Foi realizada busca aleatória por artigos científicos publicados a respeito do tema em questão. As palavras-chave utilizadas foram "hematopoietic stem cell transplantation", "oral toxicity", "oral mucositis", "oral infection", "oral care" e "Graft versus Host Disease". Foram investigados artigos em inglês, entre 2004 e 2019, disponíveis nas bases de dados Pubmed e Scielo.

RESULTADOS

Foram selecionados 12 artigos. Os estudos consistiram em dois estudos clínicos prospectivos, dois retrospectivos, um relato de caso, uma revisão integrativa, uma revisão narrativa e cinco revisões sistemáticas de literatura. As principais toxicidades orais encontradas foram: mucosite oral (MO), doença enxerto contra o hospedeiro crônica (DEChc), hipossalivação, infecções e a ocorrência de um segundo tumor primário na cavidade oral; os tratamentos mais utilizados foram: laserterapia, protetores de mucosa, dexametasona (bochecho), lubrificantes orais, substitutivos de saliva, antibióticos, antifúngicos e antivirais.

DISCUSSÃO

O TCTH objetiva a cura do paciente e o controle da doença, entretanto, pode gerar vários eventos adversos orais agudos ou crônicos, como a MO (figuras 1 e 2), a DEChc (figura 3 e 4), a hipossalivação (figura 5), a ocorrência de infecções (figura 6 e 7) e a ocorrência de novo tumor primário (figura 8).

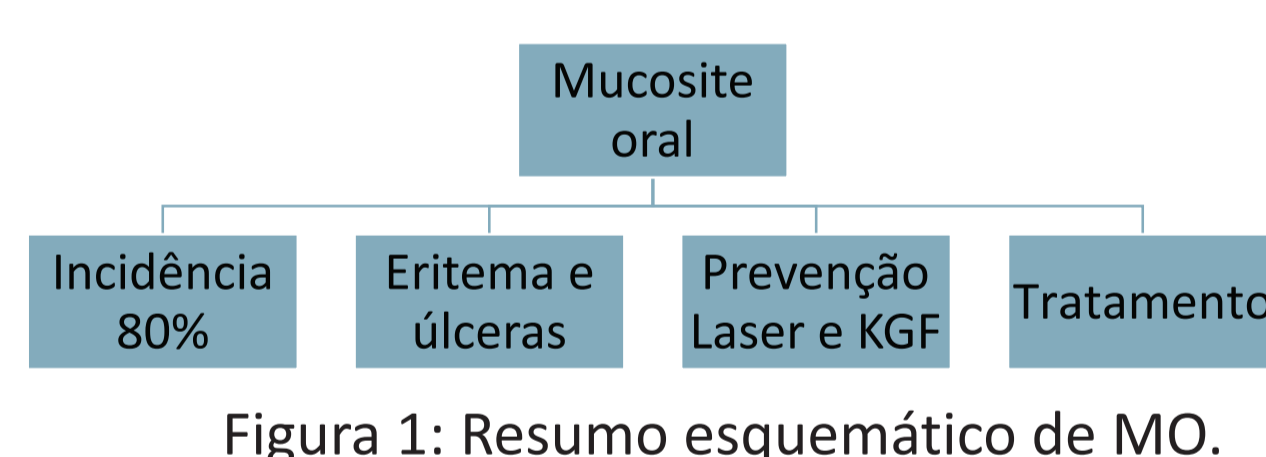


Figura 2: Mucosite oral - Adaptado de Antunes HS, Ferreira EM, Matos VD, Pinheiro CT, Ferreira CG. The Impact of low power laser in the treatment of conditioning-induced oral mucositis: A report of 11 clinical cases and their review. Med Oral Patol Oral Cir Bucal. 2008 Mar;13(3):E189-92.

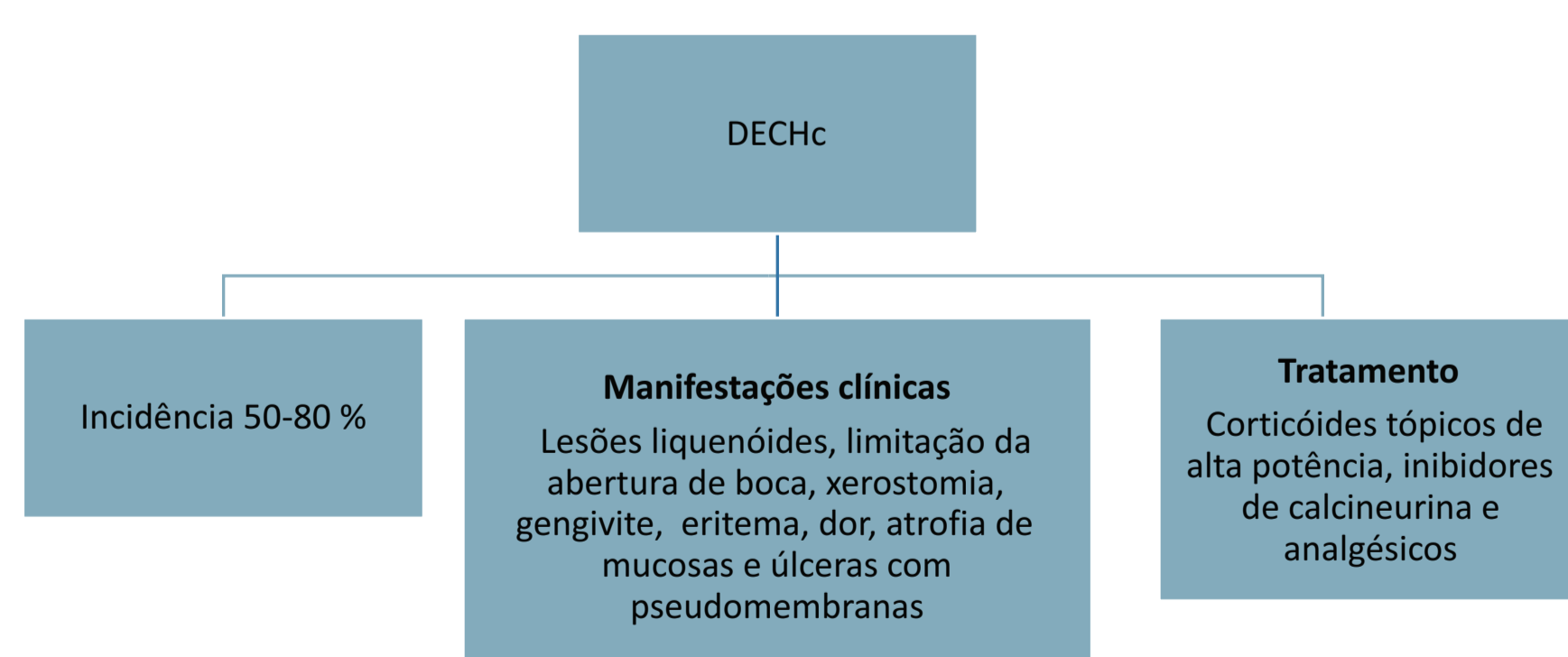


Figura 3: Resumo esquemático de DEChc.



Figura 4: DEChc - Adaptado de da Silva Santos PS, Rubira CMF, Antunes HS, and Coracin FL, França CM. Oral graft vs host disease: An immune system disorder in hematopoietic cell transplantation. World J Stomatol 2015; 4(2): 96-102.

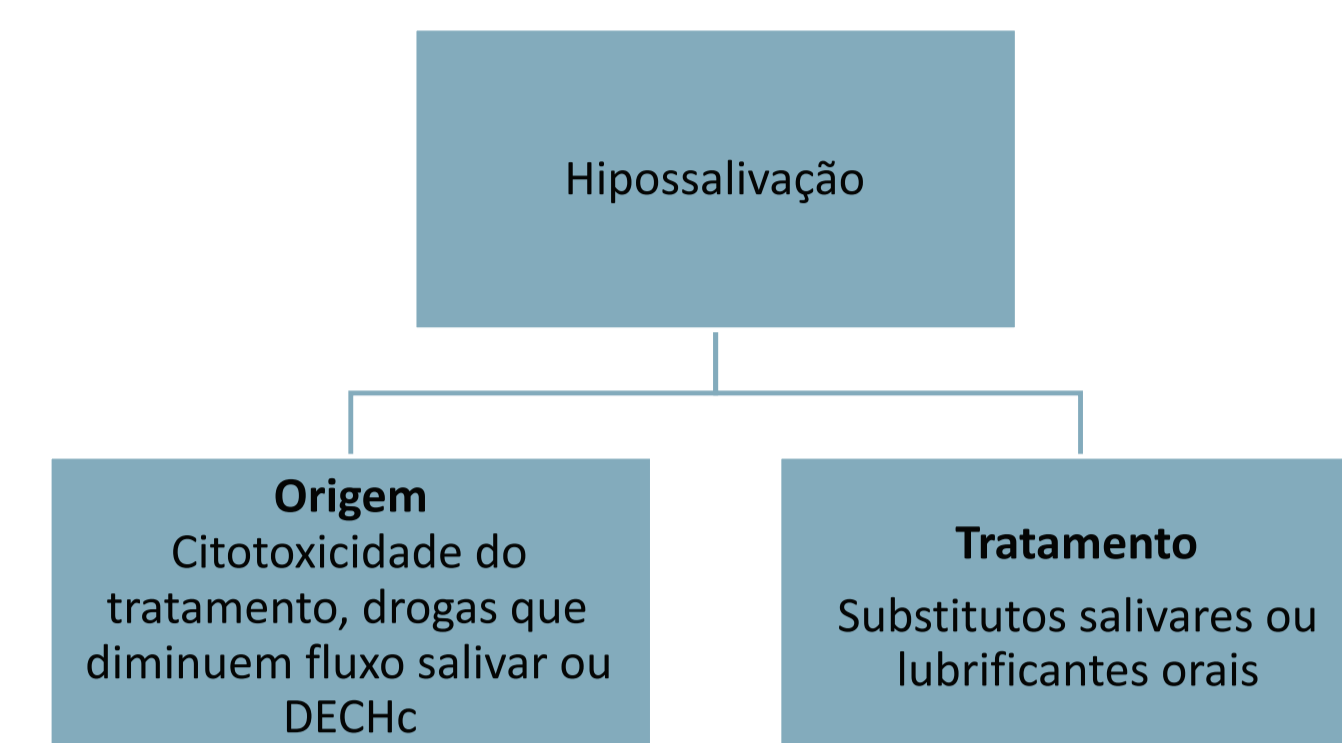


Figura 5: Resumo esquemático de hipossalivação.

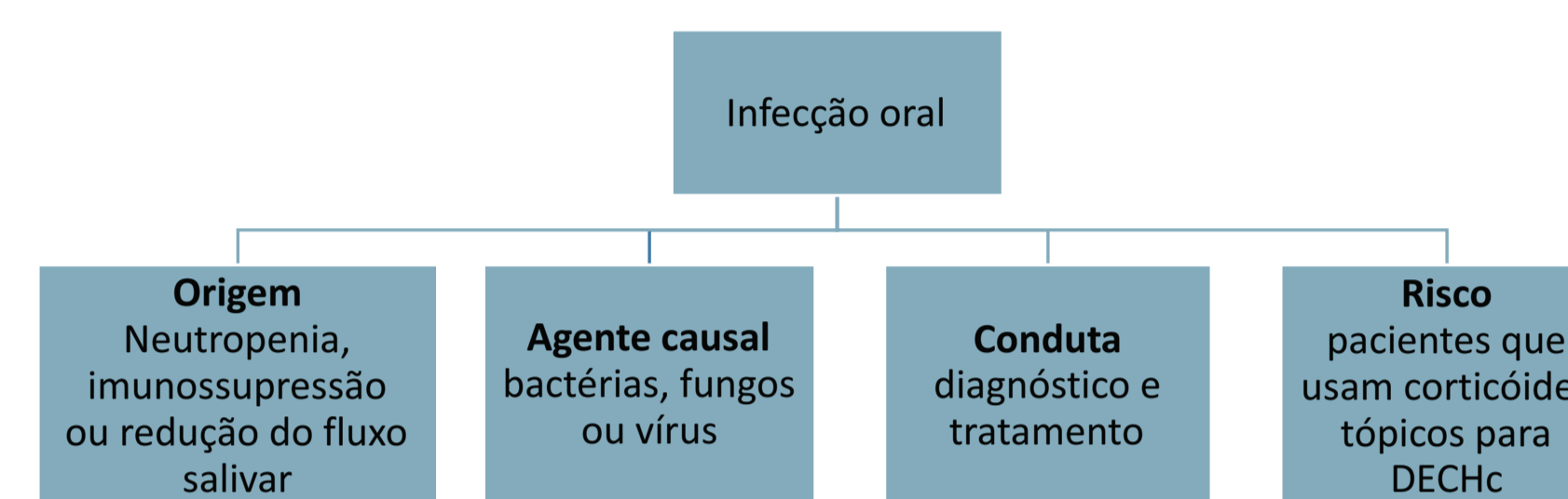


Figura 6: Resumo esquemático das infecções.



Figura 7: Infecções polimicrobianas em mucosa oral: Herpes virus, Actinomyces e Candida - Adaptado de Ramos GA, Piragibe MMM, Moreira MCR, Antunes HS. Polymicrobial infection of the oral mucosa after hematopoietic stem cell transplantation. Case report. Hematol Transfus Cell Ther. 2019. In Press.

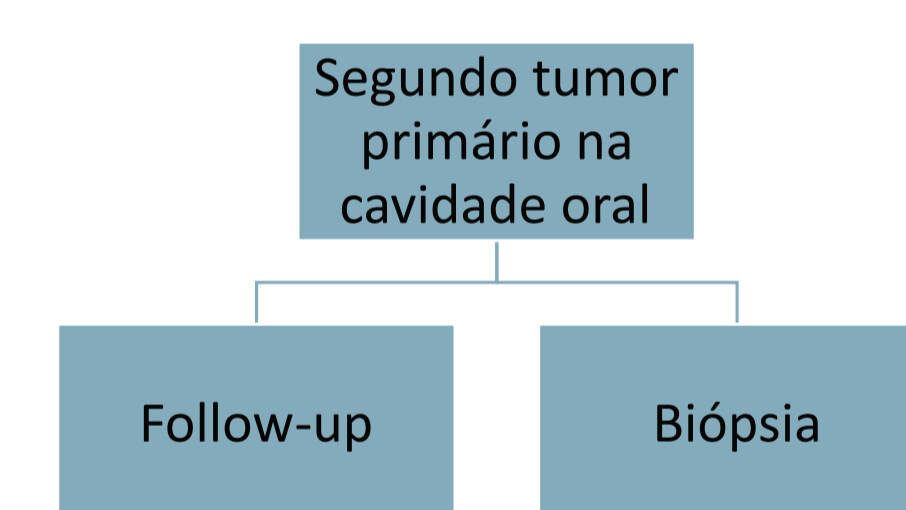


Figura 8: Resumo esquemático de segundos tumores primários.

CONCLUSÃO

O acompanhamento odontológico dos pacientes após TCTH é essencial por possibilitar a identificação de alterações decorrentes do tratamento, assim como, implementar o tratamento precocemente, melhorando significativamente a qualidade de vida do paciente.

REFERÊNCIAS BIBLIOGRÁFICAS

- Gomes ADF, Torres SR, Maiolino A, Santos CWNS, Junior AS, Correa MEP, Moreira MCR, Gonçalves LS. Early and late oral features of chronic graft-versus-host disease. Rev Bras Hematol Hemoter. 2014;36(1):43-49.
- Elad S, Raben-Durlacher JF, Brennan MT, Saunders DP, Malik Z, Zaidik Y, Quinn B, Epstein JB, Bijlervens NMA, Wältimo T, Passweg JR, Correa MEP, Dahlborg G, Garming-Legert KUE, Logan RM, Potting CMI, Shapiro MY, Soga Y, Stringer J, Stokman MA, Vokurka S, Wallhult E, Yarom N, Jensen SB. Basic oral care for hematology-oncology patients and hematopoietic stem cell transplantation recipients: a position paper from the joint task force of the Multinational Association of Supportive Care in Cancer/International Society of Oral Oncology (MASCC/ISOO) and the European Society for Blood and Marrow Transplantation (EBMT). Support Care Cancer. Springer-Verlag Berlin Heidelberg 2014.
- Barrash RH, Souza MP, Silva DPC, Lopez OS, Montonavi JC. Oral changes in individuals undergoing hematopoietic stem cell transplantation. Braz J Otorhinolaryngol. 2015;81(2):141-147.
- Hong CHL, Gueiros LA, Fulton JS, Cheng KKF, Kandwal A, Galati D, et al. Systematic review of basic oral care for the management of oral mucositis in cancer patients and clinical practice guidelines. Support Care Cancer [Internet]. 2019 Jul 8;21(11):3165-77.
- Antunes HS, Crelier AC, Ribeiro AA, Pinheiro CT, Pereira MA, Monteiro MCP, et al. Como o cirurgião dentista deve atender o paciente oncológico? Vol. 1, Rev. Int. Estomatol. 2004, p. 30-8.
- Araújo RL7, Lyko KF, Funke VAM, Torres-Pereira CC. Oral cancer after prolonged immunosuppression for multiorgan chronic graft-versus-host disease. Rev Bras Hematol Hemoter. 2014;36(1):65-68.
- Eduardo PP, Bozzinelli LM, Orsi MKE, Rodrigues V, Ribeiro MS, Hamserschlag N, Correa L. The influence of dental care associated with laser therapy on oral mucositis. Einstein. 2011;9(2 Pt 1):201-6.
- Carpenter PA, Kitko CL, Elad S, et al. National Institutes of Health Consensus Development Project on Criteria for Clinical Trials in Chronic Graft-versus-Host Disease: V. The 2014 Ancillary Therapy and Supportive Care Working Group report. Biol Blood Marrow Transplant. 2015; 21:1167-1187.
- Zaidik Y, Arany PR, Fregnani ER, Bossi P, Antunes HS, Bensadoun RJ, Gueiros LA, Majorana A, Nair RG, Ranna V, Tissing WJE, Vaddi A, Lubart R, Migliorati CA, Lalla RV, Cheng KKF, Elad S. Systematic review of photobiomodulation for the management of oral mucositis in cancer patients and clinical practice guidelines. Mucositis Study Group of the Multinational Association of Supportive Care in Cancer/International Society of Oral Oncology (MASCC/ISOO). Support Care Cancer. 2019 Jul 8. doi:10.1007/s00520-019-04890-2.
- Jagasia MH, Greinix HT, Arora M, Williams KM, Wolff D, Cowen EW, Palmer J, Weisdorf D, Treister NS, Cheng GS, Kerr H, Stratton P, Duarte RF, McDonald GB, Inamoto Y, Vigorito A, Arai S, Dattiles MB, Jacobsohn D, Heller T, Kitko CL, Mitchell SA, Martin PJ, Shalman H, Wu RS, Cutler CS, Vogelzang GS, Lee SJ, Pavletic SZ, Flowers ME. National Institutes of Health Consensus Development Project on Criteria for Clinical Trials in Chronic Graft-versus-Host Disease: I. The 2014 Diagnosis and Staging Working Group report. Biol Blood Marrow Transplant. 2015 Mar;21(3):389-401.
- Lalla RV, Bowen J, Barasch A, Elting L, Epstein J, Keeffe DM, McGuire DB, Migliorati C, Nicolatou-Galitis O, Peterson DE, Raben-Durlacher JE, Sonis ST, Elad S. MASCC/ISOO clinical practice guidelines for the management of mucositis secondary to cancer therapy. Mucositis Study Group of the Multinational Association of Supportive Care in Cancer and International Society of Oral Oncology (MASCC/ISOO). Cancer. 2014 May 15;120(10):1453-61.
- da Silva Santos PS, Rubira CMF, Antunes HS, and Coracin FL, França CM. Oral graft vs host disease: An immune system disorder in hematopoietic cell transplantation. World J Stomatol 2015; 4(2): 96-102.
- Yarom N, Hovan A, Bossi P, Ariyawardana A, Jensen SB, Gobbo M, Saca-Hazboun H, Kandwal A, Majorana A, Ottaviani G, Pentenero M, Nasr NM, Rouleau T, Lucas AS, Treister NS, Zur E, Ranna V, Vaddi A, Cheng KKF, Barasch A, Lalla RV, Elad S. Mucositis Study Group of the Multinational Association of Supportive Care in Cancer/International Society of Oral Oncology (MASCC/ISOO). Systematic review of natural and miscellaneous agents for the management of oral mucositis in cancer patients and clinical practice guidelines—part 1: vitamins, minerals, and nutritional supplements. Support Care Cancer. 2019 Oct;27(10):3997-4010.
- Ariyawardana A, Cheng KKF, Kandwal A, Tilly V, Al-Azri AR, Galati D, Chiang K, Vaddi A, Ranna V, Nicolatou-Galitis O, Lalla RV, Bossi P, Elad S. Mucositis Study Group of the Multinational Association of Supportive Care in Cancer/International Society of Oral Oncology (MASCC/ISOO). Systematic review of anti-inflammatory agents for the management of oral mucositis in cancer patients and clinical practice guidelines. Support Care Cancer. 2019 Oct;27(10):3985-3995.