

46. Sellers AR, Roddy MR, Darville KK, et al. Dexamethasone for pediatric critical asthma: a multicenter descriptive study. *J Intensive Care Med* 2022;37(11):1520–1527; doi: 10.1177/08850666221082540
47. Hoefgen ER, Huang B, Schuler CL, et al. Dexamethasone versus prednisone in children hospitalized with asthma exacerbation. *Hosp Pediatr* 2022;12(3):325–335; doi: 10.1542/hpeds.2021-006276
48. Irazuzta JE, Chiriboga N. Magnesium sulfate infusion for acute asthma in the emergency department. *J Pediatr (Rio J)* 2017;93(Suppl 1):19–25; doi: 10.1016/j.jpeds.2017.06.002
49. Kapuscinski CA, Stauber SD, Hutchinson DJ. Escalation in therapy based on intravenous magnesium sulfate dosing in pediatric patients with asthma exacerbations. *J Pediatr Pharmacol Ther* 2020;25(4):314–319; doi: 10.5863/1551-6776-25.4.314
50. Devi PR, Kumar L, Singhi SC, et al. Intravenous magnesium sulfate in acute severe asthma not responding to conventional therapy. *Indian Pediatr* 1997;34(5):389–397
51. Torres S, Sticco N, Bosch JJ, et al. Effectiveness of magnesium sulfate as initial treatment of acute severe asthma in children, conducted in a tertiary-level university hospital: a randomized, controlled trial. *Arch Argent Pediatr* 2012;110(4):291–296; doi: 10.5546/aap.2012.eng.291
52. Santana JC, Barreto SSM, Piva JP, et al. Controlled study on intravenous magnesium sulfate or salbutamol in early treatment of severe acute asthma attack in children. *J Pediatr (Rio J)* 2001;77(4):279–287; doi: 10.2223/JPED.235
53. DeSanti RL, Agasthya N, Hunter K, et al. The effectiveness of magnesium sulfate for status asthmaticus outside the intensive care setting. *Pediatr Pulmonol* 2018;53(7):866–871; doi: 10.1002/ppul.24013
54. Shein SL, Farhan O, Morris N, et al. Adjunctive pharmacotherapies in children with asthma exacerbations requiring continuous albuterol therapy: findings from the Ohio pediatric asthma repository. *Hosp Pediatr* 2018;8(2):89–95; doi: 10.1542/hpeds.2017-0088
55. Buendia JA, Acuña-Cordero R, Rodríguez-Martínez CE. The cost-utility of intravenous magnesium sulfate for treating asthma exacerbations in children. *Pediatr Pulmonol* 2020;55(10):2610–2616; doi: 10.1002/ppul.25024
56. Antoon JW, Hall M, Mittal V, et al. Intravenous magnesium and hospital outcomes in children hospitalized with asthma. *Hosp Pediatr* 2021;11(8):785–793; doi: 10.1542/hpeds.2020-004770
57. Arnold DH, Gong W, Antoon JW, et al. Prospective observational study of clinical outcomes after intravenous magnesium for moderate and severe acute asthma exacerbations in children. *J Allergy Clin Immunol Pract* 2022;10(5):1238–1246; doi: 10.1016/j.jaip.2021.11.028
58. Glover ML, Machado C, Totapally BR. Magnesium sulfate administered via continuous intravenous infusion in pediatric patients with refractory wheezing. *J Crit Care* 2002;17(4):255–258; doi: 10.1053/jcrr.2002.36759
59. Egelund TA, Wassil SK, Edwards EM, et al. High-dose magnesium sulfate infusion protocol for status asthmaticus: a safety and pharmacokinetics cohort study. *Intensive Care Med* 2013;39(1):117–122; doi: 10.1007/s00134-012-2734-6
60. Vaiyani D, Irazuzta JE. Comparison of two high-dose magnesium infusion regimens in the treatment of status asthmaticus. *J Pediatr Pharmacol Ther* 2016;21(3):233–238; doi: 10.5863/1551-6776-21.3.233
61. Barnes PJ. Theophylline. *Am J Respir Crit Care Med* 2013;188(8):901–906; doi: 10.1164/rccm.201302-0388PP
62. Rogerson CM, Hogan AH, Waldo B, et al. Wide institutional variability in the treatment of pediatric critical asthma: a multicenter retrospective study. *Pediatr Crit Care Med* 2024;25(1):37–46; doi: 10.1097/PCC.0000000000003347
63. Carter E, Cruz M, Chesrown S, et al. Efficacy of intravenously administered theophylline in children hospitalized with severe asthma. *J Pediatr* 1993;122(3):470–476; doi: 10.1016/s0022-3476(05)83443-2
64. DiGiulio GA, Kerckson CM, Krug SE, et al. Hospital treatment of asthma: lack of benefit from theophylline given in addition to nebulized albuterol and intravenously administered corticosteroid. *J Pediatr* 1993;122(3):464–469; doi: 10.1016/S0022-3476(05)83442-0
65. Strauss RE, Wertheim DL, Bonagura VR, et al. Aminophylline therapy does not improve outcome and increases adverse effects in children hospitalized with acute asthmatic exacerbations. *Pediatrics* 1994;93(2):205–210; doi: 8121733
66. Bien JP, Bloom MD, Evans RL, et al. Intravenous theophylline in pediatric status asthmaticus. A prospective, randomized, double-blind, placebo-controlled trial. *Clin Pediatr (Phila)* 1995;34(9):475–481; doi: 10.1177/000992289503400905
67. Needleman JP, Kaifer MC, Nold JT, et al. Theophylline does not shorten hospital stay for children admitted for asthma. *Arch Pediatr Adolesc Med* 1995;149(2):206–209; doi: 10.1001/archpedi.1995.02170140088016
68. Nuhoğlu Y, Dai A, Barlan IB, et al. Efficacy of aminophylline in the treatment of acute asthma exacerbation in children. *Ann Allergy Asthma Immunol* 1998;80(5):395–398; doi: 10.1016/S1081-1206(10)62990-0
69. Yung M, South M. Randomised controlled trial of aminophylline for severe acute asthma. *Arch Dis Child* 1998;79(5):405–410; doi: 10.1136/ad.79.5.405
70. Ream RS, Loftis LL, Albers GM, et al. Efficacy of IV theophylline in children with severe status asthmaticus. *Chest* 2001;119(5):1480–1488; doi: 10.1378/chest.119.5.1480
71. D'Avila RS, Piva JP, Marostica PJC, et al. Early administration of two intravenous bolus of aminophylline added to the standard treatment of children with acute asthma. *Respir Med* 2008;102(1):156–161; doi: 10.1016/j.rmed.2007.07.030
72. Dalabih AR, Bondi SA, Harris ZL, et al. Aminophylline infusion for status asthmaticus in the pediatric critical care unit setting is independently associated with increased length of stay and time for symptom improvement. *Pulm Pharmacol Ther* 2014;27(1):57–61; doi: 10.1016/j.pupt.2013.03.001
73. Stein SW, Thiel CG. The history of therapeutic aerosols: a chronological review. *J Aerosol Med Pulm Drug Deliv* 2017;30(1):20–41; doi: 10.1089/jamp.2016.1297
74. Tobin A. Intravenous salbutamol: too much of a good thing? *Crit Care Resusc* 2005;7(2):119–127; doi: 10.1016/S1441-2772(23)01644-7
75. Browne GJ, Penna AS, Phung X, et al. Randomised trial of intravenous salbutamol in early management of acute severe asthma in children. *Lancet* 1997;349(9048):301–305; doi: 10.1016/S0140-6736(96)06358-1
76. Browne GJ, Trieu L, Van Asperen P. Randomized, double-blind, placebo-controlled trial of intravenous salbutamol and nebulized ipratropium bromide in early management of severe acute asthma in children presenting to an emergency department. *Crit Care Med* 2002;30(2):448–453; doi: 10.1097/00003246-200202000-00030
77. Bogie AL, Towne D, Luckett PM, et al. Comparison of intravenous terbutaline versus normal saline in pediatric patients on continuous high-dose nebulized albuterol for status asthmaticus. *Pediatr Emerg Care* 2007;23(6):355–361; doi: 10.1097/01.pec.00000278397.63246.33
78. Adair E, Dibaba D, Fowke JH, et al. The impact of terbutaline as adjunct therapy in the treatment of severe asthma in the pediatric emergency department. *Pediatr Emerg Care* 2022;38(1):e292–e294; doi: 10.1097/PEC.0000000000002269
79. Herman JJ, Noah ZL, Moody RR. Use of intravenous isoproterenol for status asthmaticus in children. *Crit Care Med* 1983;11(9):716–720; doi: 10.1097/00003246-198309000-00009
80. Carroll CL, Stoltz P, Schramm CM, et al. β 2—Adrenergic receptor polymorphisms affect response to treatment in children with severe asthma exacerbations. *Chest* 2009;135(5):1186–1192; doi: 10.1378/chest.08-2041
81. Russi BW, Roberts AR, Nieves IF, et al. Noninvasive respiratory support for pediatric critical asthma: a multicenter cohort study. *Respir Care* 2024;69(5):534–540; doi: 10.4187/respcare.11502
82. Korang SK, Feinberg J, Wetterslev J, et al. Non-invasive positive pressure ventilation for acute asthma in children. *Cochrane Database Syst Rev* 2016;9(9):CD012067; doi: 10.1002/14651858.CD012067.pub2
83. Pavone M, Verrillo E, Caldarelli V, et al. Non-invasive positive pressure ventilation in children. *Early Hum Dev* 2013;89(Suppl 3):S25–S31; doi: 10.1016/j.earlhumdev.2013.07.019
84. Gomes EL de FD, Cavassini CLF, David MCM, et al. Does bilevel noninvasive ventilation have a bronchodilating effect and alter respiratory mechanics in asthmatic individuals after bronchoprovocation? Randomized, crossover study. *J Aerosol Med Pulm Drug Deliv* 2021;34(2):124–133; doi: 10.1089/jamp.2020.1608
85. Korang SK, Baker M, Feinberg J, et al. Non-invasive positive pressure ventilation for acute asthma in children. *Cochrane Database Syst Rev* 2024;10(10):CD012067; doi: 10.1002/14651858.CD012067.pub3
86. Ballesterio Y, De Pedro J, Portillo N, et al. Pilot clinical trial of high-flow oxygen therapy in children with asthma in the emergency service. *J Pediatr* 2018;194:204–210.e3; doi: 10.1016/j.jpeds.2017.10.075
87. Baudin F, Buisson A, Vanel B, et al. Nasal high flow in management of children with status asthmaticus: a retrospective observational study. *Ann Intensive Care* 2017;7(1):55; doi: 10.1186/s13613-017-0278-1
88. González Martínez F, González Sánchez MI, Toledo del Castillo B, et al. Tratamiento con oxigenoterapia de alto flujo en las crisis asmáticas en la planta de hospitalización de pediatría: nuestra