

Chapter 167

Kawasaki Disease

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REFERENCES

1. Amano S, Hazama F, Hamashima Y: Pathology of Kawasaki disease: II. Distribution and incidence of the vascular lesions. *Jpn Circ J* **43**(8):741-748, 1979
2. Amano S, Hazama F, Hamashima Y: Pathology of Kawasaki disease: I. Pathology and morphogenesis of the vascular changes. *Jpn Circ J* **43**(7):633-643, 1979
3. Amano S et al: General pathology of Kawasaki disease. On the morphological alterations corresponding to the clinical manifestations. *Acta Pathol Jpn* **30**(5):681-694, 1980
4. Newburger JW et al: The treatment of Kawasaki syndrome with intravenous gamma globulin. *N Engl J Med* **315**(6):341-347, 1986
5. Kawasaki T: [Acute febrile mucocutaneous syndrome with lymphoid involvement with specific desquamation of the fingers and toes in children]. [Article in Japanese.] *Arerugi* **16**(3):178-222, 1967
6. Landing BH, Larson EJ: Are infantile periarteritis nodosa with coronary artery involvement and fatal mucocutaneous lymph node syndrome the same? Comparison of 20 patients from North America with patients from Hawaii and Japan. *Pediatrics* **59**(5):651-662, 1977
7. Kawasaki T et al: A new infantile acute febrile mucocutaneous lymph node syndrome (MLNS) prevailing in Japan. *Pediatrics* **54**(3):271-276, 1974
8. Melish ME, Hicks RM, Larson EJ: Mucocutaneous lymph node syndrome in the United States. *Am J Dis Child* **130**(6):599-607, 1976
9. Holman RC et al: Kawasaki syndrome hospitalizations in the United States, 1997 and 2000. *Pediatrics* **112**(3 Pt 1):495-501, 2003
10. Nakamura Y et al: Epidemiologic features of Kawasaki disease in Japan: Results from the nationwide survey in 2005-2006. *J Epidemiol* **18**(4):167-172, 2008
11. Burns JC et al: Clinical spectrum of Kawasaki disease in infants younger than 6 months of age. *J Pediatr* **109**(5):759-763, 1986
12. Rosenfeld EA, Corydon KE, Shulman ST: Kawasaki disease in infants less than one year of age. *J Pediatr* **126**(4):524-529, 1995
13. Momenah T et al: Kawasaki disease in the older child. *Pediatrics* **102**(1):e7, 1998
14. Muta H et al: Older age is a risk factor for the development of cardiovascular sequelae in Kawasaki disease. *Pediatrics* **114**(3):751-754, 2004
15. Stockheim JA, Innocentini N, Shulman ST: Kawasaki disease in older children and adolescents. *J Pediatr* **137**(2):250-252, 2000
16. Nakamura Y et al: Increasing incidence of Kawasaki disease in Japan: nationwide survey. *Pediatr Int* **50**(3):287-290, 2008
17. Dean AG et al: An epidemic of Kawasaki syndrome in Hawaii. *J Pediatr* **100**(4):552-557, 1982
18. Fujita Y et al: Kawasaki disease in families. *Pediatrics* **84**(4):666-669, 1989
19. Uehara R et al: Kawasaki disease in parents and children. *Acta Paediatr* **92**(6):694-697, 2003
20. Bell DM et al: Kawasaki syndrome: description of two outbreaks in the United States. *N Engl J Med* **304**(26):1568-1575, 1981
21. Salo E, Pelkonen P, Pettay O: Outbreak of Kawasaki syndrome in Finland. *Acta Paediatr Scand* **75**(1):75-80, 1986
22. Yanagawa H et al: Nationwide epidemic of Kawasaki disease in Japan during winter of 1985-86. *Lancet* **2**(8516):1138-1139, 1986
23. Onouchi Y et al: ITPKC functional polymorphism associated with Kawasaki disease susceptibility and formation of coronary artery aneurysms. *Nat Genet* **40**(1):35-42, 2008
24. Fraser JD, Proft T: The bacterial superantigen and superantigen-like proteins. *Immunol Rev* **225**:226-243, 2008
25. Choi IH et al: Clonal expansion of CD8+ T cells in Kawasaki disease. *J Immunol* **159**(1):481-486, 1997
26. Rowley AH et al: Oligoclonal IgA response in the vascular wall in acute Kawasaki disease. *J Immunol* **166**(2):1334-1343, 2001
27. Lee HH, Shin JS, Kim DS: Immunoglobulin V(H) chain gene analysis of peripheral blood IgM-producing B cells in patients with Kawasaki disease. *Yonsei Med J* **50**(4):493-504, 2009

28. Gavin PJ et al: Systemic arterial expression of matrix metalloproteinases 2 and 9 in acute Kawasaki disease. *Arterioscler Thromb Vasc Biol* **23**(4):576-581, 2003
29. Brown TJ et al: CD8 T lymphocytes and macrophages infiltrate coronary artery aneurysms in acute Kawasaki disease. *J Infect Dis* **184**(7):940-943, 2001
30. Terai M et al: Peripheral blood eosinophilia and eosinophil accumulation in coronary microvessels in acute Kawasaki disease. *Pediatr Infect Dis J* **21**(8):777-781, 2002
31. Rowley AH et al: IgA plasma cell infiltration of proximal respiratory tract, pancreas, kidney, and coronary artery in acute Kawasaki disease. *J Infect Dis* **182**(4):1183-1191, 2000
32. Rowley AH et al: Detection of antigen in bronchial epithelium and macrophages in acute Kawasaki disease by use of synthetic antibody. *J Infect Dis* **190**(4):856-865, 2004
33. Rowley AH et al: Cytoplasmic inclusion bodies are detected by synthetic antibody in ciliated bronchial epithelium during acute Kawasaki disease. *J Infect Dis* **192**(10):1757-1766, 2005
34. Rowley AH et al: RNA-containing cytoplasmic inclusion bodies in ciliated bronchial epithelium months to years after acute Kawasaki disease. *PLoS One* **3**(2):e1582, 2008
35. Stamos JK et al: Lymphadenitis as the dominant manifestation of Kawasaki disease. *Pediatrics* **93**(3):525-528, 1994
36. Newburger JW et al: Diagnosis, treatment, and long-term management of Kawasaki disease: A statement for health professionals from the Committee on Rheumatic Fever, Endocarditis and Kawasaki Disease, Council on Cardiovascular Disease in the Young, American Heart Association. *Circulation* **110**(17):2747-2771, 2004
37. Dominguez SR et al: Kawasaki disease in a pediatric intensive care unit: A case-control study. *Pediatrics* **122**(4):e786-e790, 2008
38. Kanegaye JT et al: Recognition of a Kawasaki disease shock syndrome. *Pediatrics* **123**(5):e783-e789, 2009
39. Newburger JW et al: A single intravenous infusion of gamma globulin as compared with four infusions in the treatment of acute Kawasaki syndrome. *N Engl J Med* **324**(23):1633-1639, 1991
40. Sundel RP et al: Gamma globulin re-treatment in Kawasaki disease. *J Pediatr* **123**(4):657-659, 1993
41. Wallace CA et al: Initial intravenous gammaglobulin treatment failure in Kawasaki disease. *Pediatrics* **105**(6):E78, 2000
42. Kato H et al: Fate of coronary aneurysms in Kawasaki disease: Serial coronary angiography and long-term follow-up study. *Am J Cardiol* **49**(7):1758-1766, 1982
43. Suzuki A et al: Fate of coronary arterial aneurysms in Kawasaki disease. *Am J Cardiol* **74**(8):822-824, 1994
44. Nakano H et al: Clinical characteristics of myocardial infarction following Kawasaki disease: Report of 11 cases. *J Pediatr* **108**(2):198-203, 1986
45. Ishii M et al: Sequential follow-up results of catheter intervention for coronary artery lesions after Kawasaki disease: Quantitative coronary artery angiography and intravascular ultrasound imaging study. *Circulation* **105**(25):3004-3010, 2002
46. Kitamura S et al: Twenty-five-year outcome of pediatric coronary artery bypass surgery for Kawasaki disease. *Circulation* **120**(1):60-68, 2009
47. Checchia PA et al: Cardiac transplantation for Kawasaki disease. *Pediatrics* **100**(4):695-699, 1997
48. Newburger JW et al: Randomized trial of pulsed corticosteroid therapy for primary treatment of Kawasaki disease. *N Engl J Med* **356**(7):663-675, 2007
49. Burns JC et al: Infliximab treatment of intravenous immunoglobulin-resistant Kawasaki disease. *J Pediatr* **153**(6):833-838, 2008
50. Burns JC et al: Infliximab treatment for refractory Kawasaki syndrome. *J Pediatr* **146**(5):662-667, 2005
51. Wright DA et al: Treatment of immune globulin-resistant Kawasaki disease with pulsed doses of corticosteroids. *J Pediatr* **128**(1):146-149, 1996