

附表 居住環境中の真菌についての参考文献

1. Gip L.: Investigation of the occurrence of dermatophytes on the floor and in the air of indoor environments. *Acta Derm Venereol.* 1966; 46: Suppl 58: 1-54
2. Ackermann HW, Schmidt B, Lenk V.: Mycological studies of the outdoor and indoor air in Berlin, *Mykosen* 1969 May 1; 12(5): 309-20
3. Gravesen S.: Identification and quantitation of indoor airborne micro-fungi during 12 months from 44 Danish homes. *Acta Allergol.* 1972 Dec; 27(5): 337-54
4. Kanno S.: Indoor contamination by fungi, *Nippon Saikingaku Zasshi* 1975 May; 30(3): 458-60
5. Chen CY, Chuang CY.: Fungi isolated from asthmatic homes in the Taipei area. *Zhonghua Min Guo Wei Sheng Wu Xue Za Zhi* 1975 Dec; 8(4): 253-8
6. Lumpkins ED Sr, Corbit S.: Airborne fungi survey: II. Culture plate survey of the home environment., *Ann Allergy* 1976 Jan; 36(1): 40-4
7. Bunnag C, Dhorraintra B, Plangpatanapanichya A.: A comparative study of the incidence of indoor and outdoor mold spores in Bangkok, Thailand., *Ann Allergy* 1982 Jun; 48(6): 333-9
8. Spendlove JC, Fannin KF.: Source, significance, and control of indoor microbial aerosols: human health aspects., *Public Health Rep* 1983 May-Jun; 98(3): 229-44
9. Al-Doory Y.: The indoor airborne fungi., *N Engl Reg Allergy Proc* 1985 Spring; 6(2): 140-9
10. Gravesen S.: Indoor airborne mould spores., *Allergy* 1985; 40 Suppl 3: 21-3
11. Samson RA.: Occurrence of moulds in modern living and working environments., *Eur J Epidemiol* 1985 Mar; 1(1): 54-61
12. Kodama AM, McGee RI.: Airborne microbial contaminants in indoor environments. Naturally ventilated and air-conditioned homes., *Arch Environ Health* 1986 Sep-Oct; 41(5): 306-11
13. Lowenstein H, Gravesen S, Larsen L, Schwartz B.: Indoor allergens., *J Allergy Clin Immunol* 1986 Nov; 78 (5 Pt 2): 1035-9
14. Gallup J, Kozak P, Cummins L, Gillman S.: Indoor mold spore exposure: characteristics of 127 homes in southern California with endogenous mold problems., *Experientia Suppl* 1987; 51: 139-42
15. Infante F, Dominguez E, Ruiz de Clavijo E, Galan C.: Incidence of *Alternaria* Nees ex Fries in dwellings of Cordoba City (Spain)., *Allergol Immunopathol (Madr)* 1987 Jul-Aug; 15(4): 221-4
16. J Yoshida K, Ando M, Sakata T, Araki S.: Environmental mycological studies on the causative agent of summer-type hypersensitivity pneumonitis., *Allergy Clin Immunol* 1988 Feb; 81(2): 475-83
17. Strachan DP, Flannigan B, McCabe EM, McGarry F.: Quantification of airborne moulds in the homes of children with and without wheeze., *Thorax* 1990 May; 45(5): 382-7
18. Verhoeff AP, van Wijnen JH, Boleij JS, Brunekreef B, van Reenen-Hoekstra ES, Samson RA.: Enumeration and identification of airborne viable mould propagules in houses. A field comparison of selected techniques., *Allergy* 1990 May; 45(4): 275-84
19. Verhoeff AP, van Wijnen JH, Fischer P, Brunekreef B, Boleij JS, van Reenen ES, Samson RA.: Presence of viable mould propagules in the indoor air of houses., *Toxicol Ind Health* 1990 Oct; 6(5): 133-45

20. Burge H. : Bioaerosols : prevalence and health effects in the indoor environment., *J Allergy Clin Immunol* 1990 Nov ; 86(5) : 687-701
21. Macher JM, Huang FY, Flores M. : A two-year study of microbiological indoor air quality in a new apartment., *Arch Environ Health* 1991 Jan-Feb ; 46(1) : 25-9
22. Burrell R. : Microbiological agents as health risks in indoor air., *Environ Health Perspect* 1991 Nov ; 95 : 29-34
23. Wickman M, Gravesen S, Nordvall SL, Pershagen G, Sundell J. : Indoor viable dust-bound microfungi in relation to residential characteristics, living habits, and symptoms in atopic and control children., *J Allergy Clin Immunol* 1992 Mar ; 89(3) : 752-9
24. Verhoeff AP, van Wijnen JH, Brunekreef B, Fischer P, van Reenen-Hoekstra ES, Samson RA. : Presence of viable mould propagules in indoor air in relation to house damp and outdoor air., *Allergy* 1992 Apr ; 47 (2 Pt 1) : 83-91
25. Brunekreef B. : Damp housing and adult respiratory symptoms., *Allergy* 1992 Oct ; 47(5) : 498-502
26. Staib F. : Pathogenic fungi in human dwellings., *Mycoses* 1992 Nov-Dec ; 35 (11-12) : 289-92
27. Sporik RB, Arruda LK, Woodfolk J, Chapman MD, Platts-Mills TA. : Environmental exposure to *Aspergillus fumigatus* allergen (Asp f I), *Clin Exp Allergy* 1993 Apr ; 23(4) : 326-31
28. Garrison RA, Robertson LD, Koehn RD, Wynn SR. : Effect of heating-ventilation-air conditioning system sanitation on airborne fungal populations in residential environments., *Ann Allergy* 1993 Dec ; 71(6) : 548-56
29. Summerbell RC, Staib F, Ahearn DG, Ando M, Ajello L, Crow SA, Fung D, Gregor T, Noble J, Price DL, et al. : Household hyphomycetes and other indoor fungi., *J Med Vet Mycol* 1994 ; 32 Suppl 1 : 277-86
30. Fernandez-Caldas E, Trudeau WL, Ledford DK. : Environmental control of indoor biologic agents., *J Allergy Clin Immunol* 1994 Aug ; 94 (2 Pt 2) : 404-12
31. Corey JP. : Environmental control of allergens., *Otolaryngol Head Neck Surg* 1994 Sep ; 111 (3 Pt 2) : 340-7
32. Li CS, Kuo YM. : Characteristics of airborne microfungi in subtropical homes., *Sci Total Environ* 1994 Oct 28 ; 155(3) : 267-71
33. Seltzer JM. : Biologic contaminants., *Occup Med* 1995 Jan-Mar ; 10(1) : 1-25
34. Schata M. : Allergic diseases in the indoor environment, *Zentralbl Hyg Umweltmed* 1995 Apr ; 197 (1-3) : 196-211
35. Dotterud LK, Vorland LH, Falk ES. : Viable fungi in indoor air in homes and schools in the Sor-Varanger community during winter., *Pediatr Allergy Immunol* 1995 Nov ; 6(4) : 181-6
36. Anderson K, Morris G, Kennedy H, Croall J, Michie J, Richardson MD, Gibson B. : Aspergillosis in immunocompromised paediatric patients: associations with building hygiene, design, and indoor air., *Thorax* 1996 Mar ; 51(3) : 256-61
37. Abe K, Nagao Y, Nakada T, Sakuma S. : Assessment of indoor climate in an apartment by use of a fungal index., *Appl Environ Microbiol* 1996 Mar ; 62(3) : 959-63
38. Nakai S. : A review of epidemiologic studies on the health effects of indoor environments, *Nippon Koshu Eisei Zasshi* 1996 Mar ; 43(3) : 183-95
39. Dill I, Niggemann B. : Domestic fungal viable propagules and sensitization in children with IgE mediated allergic diseases., *Pediatr Allergy Immunol* 1996 Aug ; 7(3) : 151-5
40. Pirhonen I, Nevalainen A, Husman T, Pekkanen J. : Home dampness, moulds and their

- influence on respiratory infections and symptoms in adults in Finland., *Eur Respir J* 1996 Dec ; 9(12): 2618-22
41. Li CS, Hsu LY. : Airborne fungus allergen in association with residential characteristics in atopic and control children in a subtropical region., *Arch Environ Health* 1997 Jan-Feb ; 52(1): 72-9
 42. Dales RE, Miller D, McMullen E. : Indoor air quality and health: validity and determinants of reported home dampness and moulds., *Int J Epidemiol* 1997 Feb ; 26(1): 120-5
 43. Verhoeff AP, Burge HA. : Health risk assessment of fungi in home environments., *Ann Allergy Asthma Immunol* 1997 Jun ; 78(6): 544-54 ; quiz 555-6
 44. Senkpiel K, Kurowski V, Ohgke H. : Indoor air studies of mould fungus contamination of homes of selected patients with bronchial asthma (with special regard to evaluation problems), *Zentralbl Hyg Umweltmed* 1996 Feb ; 198(3): 191-203
 45. Kaufhold T, Fiedler K, Jung G, Lindner M, Gassel RP. : Moisture and mold on the inner walls of prefabricated building slabs--investigating a strange cause, *Zentralbl Hyg Umweltmed* 1997 Apr ; 199(6): 527-36
 46. Takahashi T. : Airborne fungal colony-forming units in outdoor and indoor environments in Yokohama, Japan., *Mycopathologia* 1997 ; 139(1): 23-33
 47. Sterling DA, Lewis RD. : Pollen and fungal spores indoor and outdoor of mobile homes., *Ann Allergy Asthma Immunol* 1998 Mar ; 80(3): 279-85
 48. Peat JK, Dickerson J, Li J. : Effects of damp and mould in the home on respiratory health: a review of the literature., *Allergy* 1998 Feb ; 53(2): 120-8
 49. Garrett MH, Rayment PR, Hooper MA, Abramson MJ, Hooper BM. : Indoor airborne fungal spores, house dampness and associations with environmental factors and respiratory health in children., *Clin Exp Allergy* 1998 Apr ; 28(4): 459-67
 50. Gubernskii IuD, Kalinina NV, Mel'nikova AI. : The ecological hygiene assessment of the effect of the indoor environment on the allergization of the population, *Gig Sanit* 1998 Jul-Aug ; (4): 50-4
 51. Page E, Trout D. : Mycotoxins and building-related illness., *J Occup Environ Med* 1998 Sep ; 40(9): 761-4
 52. Custovic A, Woodcock A. : Indoor environmental factors and respiratory illness., *Clin Exp Allergy* 1998 Oct ; 28(10): 1178-81
 53. Katz Y, Verleger H, Barr J, Rachmiel M, Kiviti S, Kuttin ES. : Indoor survey of moulds and prevalence of mould atopy in Israel., *Clin Exp Allergy* 1999 Feb ; 29(2): 186-92
 54. Passoni LF, Wanke B, Nishikawa MM, Lazera MS. : *Cryptococcus neoformans* isolated from human dwellings in Rio de Janeiro, Brazil: an analysis of the domestic environment of AIDS patients with and without cryptococcosis., *Med Mycol* 1998 Oct ; 36(5): 305-11
 55. Nakai S, Nitta H, Ono M, Abe K, Sakaguchi M. : Measurements of biological contaminants and particulate matter inside a dwelling in Japan., *Indoor Air* 1999 Mar ; 9(1): 41-6
 56. Rylander R, Etzel R. : Introduction and summary: workshop on children's health and indoor mold exposure., *Environ Health Perspect* 1999 Jun ; 107 Suppl 3: 465-8
 57. Gravesen S, Nielsen PA, Iversen R, Nielsen KF. : Microfungal contamination of damp buildings--examples of risk constructions and risk materials., *Environ Health Perspect* 1999 Jun ; 107 Suppl 3: 505-8

58. Pieckov inverted question marka E, Jesensk inverted question marka Z.: Microscopic fungi in dwellings and their health implications in humans., *Ann Agric Environ Med* 1999 ; 6(1): 1-11
59. Manuel J.: A healthy home environment?, *Environ Health Perspect* 1999 Jul; 107(7): A 352-7
60. Pieckov inverted question marka E, Jesensk inverted question marka Z.: Microscopic fungi in dwellings and their health implications in humans., *Ann Agric Environ Med* 1999 ; 6(1): 1-11
61. Gorlick GM.: Toxic effects of indoor molds., *Pediatrics* 1999 Sep; 104 (3 Pt 1): 576
62. Burr ML.: Indoor fungal exposure—does it matter, and what can be done about it?, *Clin Exp Allergy* 1999 Nov; 29(11): 1442-4
63. Dharmage S, Bailey M, Raven J, Mitakakis T, Thien F, Forbes A, Guest D, Abramson M, Walters EH.: Prevalence and residential determinants of fungi within homes in Melbourne, Australia., *Clin Exp Allergy* 1999 Nov; 29(11): 1481-9
64. Reijula K.: The diagnosis of health risks due to humidity and mold in dwellings, *Duodecim* 1996 ; 112(15): 1390-7
65. G inverted question markorny RL, Dutkiewicz J, Krysi inverted question marknska-Traczyk E.: Size distribution of bacterial and fungal bioaerosols in indoor air., *Ann Agric Environ Med* 1999 ; 6(2): 105-13
66. Koskinen OM, Husman TM, Meklin TM, Nevalainen AI.: The relationship between moisture or mould observations in houses and the state of health of their occupants., *Eur Respir J* 1999 Dec ; 14(6): 1363-7
67. Ren P, Jankun TM, Leaderer BP.: Comparisons of seasonal fungal prevalence in indoor and outdoor air and in house dusts of dwellings in one Northeast American county., *J Expo Anal Environ Epidemiol* 1999 Nov-Dec ; 9(6): 560-8
68. Hirsch T.: Indoor allergen exposure in west and East Germany: a cause for different prevalences of asthma and atopy?, *Rev Environ Health* 1999 Jul-Sep ; 14(3): 159-68
69. Custovic A, Woodcock A.: Indoor environment and asthma., *Monaldi Arch Chest Dis* 1999 Dec ; 54(6): 465-9
70. Hirsch T, Hering M, Burkner K, Hirsch D, Leupold W, Kerkmann ML, Kuhlisch E, Jatzwauk L.: House-dust-mite allergen concentrations (Der f 1) and mold spores in apartment bedrooms before and after installation of insulated windows and central heating systems., *Allergy* 2000 Jan ; 55(1): 79-83
71. Khan ZU, Khan MA, Chandy R, Sharma PN.: Aspergillus and other moulds in the air of Kuwait., *Mycopathologia* 1999 ; 146(1): 25-32
72. Koch A, Heilemann KJ, Bischof W, Heinrich J, Wichmann HE.: Indoor viable mold spores—a comparison between two cities, Erfurt (eastern Germany) and Hamburg (western Germany)., *Allergy* 2000 Feb ; 55(2): 176-80
73. de Blay F, Casel S, Colas F, Spirlet F, Pauli G.: Elimination of airborne allergens from the household environment, *Rev Mal Respir* 2000 Feb ; 17(1): 29-39
74. Mahmoudi M, Gershwin ME.: Sick building syndrome. III. *Stachybotrys chartarum*, *J Asthma* 2000 Apr ; 37(2): 191-8
75. Weir E.: Indoor moulds and human health, *CMAJ* 2000 May 16 ; 162(10): 1469
76. Pei-Chih W, Huey-Jen S, Chia-Yin L.: Characteristics of indoor and outdoor airborne fungi at suburban and urban homes in two seasons., *Sci Total Environ* 2000 May 15 ;

- 253(1-3): 111-8
77. Miller JD, Haisley PD, Reinhardt JH.: Air sampling results in relation to extent of fungal colonization of building materials in some water-damaged buildings., *Indoor Air* 2000 Sep; 10(3): 146-51
 78. Robbins CA, Swenson LJ, Nealley ML, Gots RE, Kelman BJ.: Health effects of mycotoxins in indoor air: a critical review., *Appl Occup Environ Hyg* 2000 Oct; 15(10): 773-84
 79. Lee SK, Kim SS, Nahm DH, Park HS, Oh YJ, Park KJ, Kim SO, Kim SJ.: Hypersensitivity pneumonitis caused by *Fusarium napiforme* in a home environment., *Allergy* 2000 Dec; 55(12): 1190-3
 80. Su HJ, Wu PC, Chen HL, Lee FC, Lin LL.: *Environ Res* 2001 Feb; 85(2): 135-44, Exposure assessment of indoor allergens, endotoxin, and airborne fungi for homes in southern Taiwan.
 81. Oppermann H, Doering C, Sobottka A, Kramer U, Thriene B.: Exposure status of East and West German households with house dust mites and fungi, *Gesundheitswesen* 2001 Feb; 63(2): 85-9
 82. Nolard N, Beguin H, Chasseur C.: Mold allergy: 25 years of indoor and outdoor studies in Belgium, *Allerg Immunol (Paris)* 2001 Feb; 33(2): 101-2
 83. Ren P, Jankun TM, Belanger K, Bracken MB, Leaderer BP.: The relation between fungal propagules in indoor air and home characteristics., *Allergy* 2001 May; 56(5): 419-24
 84. Peltola J, Andersson MA, Haahtela T, Mussalo-Rauhamaa H, Rainey FA, Kroppenstedt RM, Samson RA, Salkinoja-Salonen MS.: Toxic-metabolite-producing bacteria and fungus in an indoor environment., *Appl Environ Microbiol* 2001 Jul; 67(7): 3269-74
 85. Takatori K.: Fungal allergy - fungal ecology in dwelling environments, *Nippon Ishinkin Gakkai Zasshi* 2001; 42(3): 113-7
 86. Hyvarinen A, Reponen T, Husman T, Nevalainen A.: Comparison of the indoor air quality in mould damaged and reference buildings in a subarctic climate., *Cent Eur J Public Health* 2001 Aug; 9(3): 133-9
 87. Lawrence R, Martin D.: Moulds, moisture and microbial contamination of First Nations housing in British Columbia, Canada., *Int J Circumpolar Health* 2001 Apr; 60(2): 150-6
 88. Burr ML.: Health effects of indoor molds., *Rev Environ Health* 2001 Apr-Jun; 16(2): 97-103
 89. Ahearn DG, Simmons RB, Switzer KF, Ajello L, Pierson DL.: Colonization by *Cladosporium* spp. of painted metal surfaces associated with heating and air conditioning systems., *J Ind Microbiol* 1991 Nov; 8(4): 277-80
 90. Moritz M, Peters H, Nipko B, Ruden H.: Capability of air filters to retain airborne bacteria and molds in heating, ventilating and air-conditioning (HVAC) systems., *Int J Hyg Environ Health* 2001 Jul; 203(5-6): 401-9
 91. Etzel RA.: Environment and child health: what is *Stachybotrys*?, *Indian Pediatr* 2001 Sep; 38(9): 949-51
 92. Tsushima K, Fujimoto K, Yamazaki Y, Takamizawa A, Amari T, Koizumi T, Kubo K.: Hypersensitivity pneumonitis induced by spores of *Lyophyllum aggregatum*., *Chest* 2001 Oct; 120(4): 1085-93
 93. Terr AI.: *Stachybotrys*: relevance to human disease., *Ann Allergy Asthma Immunol* 2001 Dec; 87(6 Suppl 3): 57-63
 94. Pessi AM, Suonketo J, Pentti M, Kurkilahti M, Peltola K, Rantio-Lehtimäki A.: Microbial growth inside insulated external walls as an indoor air biocontamination source.,

- Appl Environ Microbiol 2002 Feb ; 68(2) : 963-7
95. Ammann H.: Indoor mold contamination--a threat to health?, J Environ Health 2002 Jan-Feb; 64(6): 43-4
 96. Sessa R, Di PM, Schiavoni G, Santino I, Altieri A, Pinelli S, Del PM.: Microbiological indoor air quality in healthy buildings., New Microbiol 2002 Jan ; 25(1): 51-6
 97. Zheltikova TM, Petrova-Nikitina AD, Antropova AB, Bilanenko EN, Mokeeva VL, Chekunova LN.: House-dust mites and mold fungi as a source of indoor allergens, Zh Mikrobiol Epidemiol Immunobiol 2001 Nov-Dec ; (6): 94-9
 98. King N, Auger P.: Indoor air quality, fungi, and health. How do we stand?, Can Fam Physician 2002 Feb ; 48:298-302
 99. Shelton BG, Kirkland KH, Flanders WD, Morris GK.: Profiles of airborne fungi in buildings and outdoor environments in the United States., Appl Environ Microbiol 2002 Apr ; 68(4): 1743-53
 100. Christen K.: Mold growth linked to airtight building designs., Environ Sci Technol 2002 Mar 1 ; 36(5): 95A-96A
 101. Gao P, Korley F, Martin J, Chen BT.: Determination of unique microbial volatile organic compounds produced by five Aspergillus species commonly found in problem buildings., AIHA J (Fairfax, Va) 2002 Mar-Apr ; 63(2): 135-40
 102. Pasanen AL, Rautiala S, Kasanen JP, Raunio P, Rantamaki J, Kalliokoski P.: The relationship between measured moisture conditions and fungal concentrations in water-damaged building materials., Indoor Air 2000 Jun ; 10(2): 111-20
 103. Gravesen S.: Microbiology on indoor air '99--what is new and interesting? An overview of selected papers presented in Edinburgh, August, 1999., Indoor Air 2000 Jun ; 10(2): 74-80
 104. Jaakkola MS, Nordman H, Piipari R, Uitti J, Laitinen J, Karjalainen A, Hahtola P, Jaakkola JJ.: Indoor dampness and molds and development of adult-onset asthma: a population-based incident case-control study., Environ Health Perspect 2002 May ; 110(5): 543-7
 105. Niekoszko M, Chelminska M, Chelminski K.: Fungal allergy. Part I, Pol Merkuriusz Lek 2002 Mar ; 12(69): 241-4
 106. Gorny RL, Dutkiewicz J.: Bacterial and fungal aerosols in indoor environment in Central and Eastern European countries. Ann Agric Environ Med. 2002 ; 9(1): 17-23
 107. Jacob B, Ritz B, Gehring U, Koch A, Bischof W, Wichmann HE, Heinrich J.: Abstract Indoor exposure to molds and allergic sensitization. Environ Health Perspect. 2002 Jul ; 110(7): 647-53
 108. Engelhart S, Loock A, Skutlarek D, Sagunski H, Lommel A, Farber H, Exner M.: Occurrence of toxigenic Aspergillus versicolor isolates and sterigmatocystin in carpet dust from damp indoor environments. Appl Environ Microbiol. 2002 Aug ; 68(8): 3886-90
 109. Zock JP, Jarvis D, Luczynska C, Sunyer J, Burney P: Housing characteristics, reported mold exposure, and asthma in the European Community Respiratory Health Survey. J Allergy Clin Immunol. 2002 Aug ; 110(2): 285-92
 110. Weiss A, Chidekel AS.: Acute pulmonary hemorrhage in a Delaware infant after exposure to Stachybotrys atra., Del Med J. 2002 Sep ; 74(9): 363-8
 111. Burge HA.: An update on pollen and fungal spore aerobiology. J Allergy Clin Immunol. 2002 Oct ; 110(4): 544-52