

Listeria monocytogenes

Teil 1 und 2

Dr. Rolf Steinmüller

Ernährungs Umschau 56 (2009), B37 ff. und B41 ff..

Literatur

1. McLauchlin J (1987): A review - *Listeria monocytogenes*, recent advances in the taxonomy and epidemiology of listeriosis in humans. *J. Appl. Bacteriol.* 63: 1–11;
2. McLauchlin J (1990): Human listeriosis in Britain, 1967-85, a summary of 722 cases. 1. Listeriosis during pregnancy and in the newborn. *Epidemiol. Infect.* 104: 181–189]
3. Mead PS, Slutsker S, Dietz V, McCaig LF, Bresee JS, Shapiro C, Griffin PC, Tauxe RV (1999): Food related illness and death in the United States. *Emerg. Infect. Dis.* 5, 607–625
4. Bartelt E aus: Fehlhaber K, Kleer J, Kley F (Hrsg.): Handbuch Lebensmittelhygiene. Praxisleitfaden mit wissenschaftlichen Grundlagen. Behr's Verlag GmbH & Co.KG. 18. Aktualisierung, Mai 2009
5. Peel M, Donachie W, Shaw A (1988): Temperature-dependent expression of flagella of *Listeria monocytogenes* studied by electron microscopy, SDS-PAGE and western blotting. *J Gen. Microbiol.* 134: 2171–2178
6. Schuchat A, Swaminathan B, Broome C V (1991): Epidemiology of human listeriosis. *Clin. Microbiol Rev* 4:169–183.
7. Krämer J (2007): Lebensmittel-Mikrobiologie. 5. korrigierte und neu bearbeitete Auflage. Verlag Eugen Ulmer Stuttgart, Jahr.
8. Baumgart J, Becker B, Stephan R (Hrsg.): Mikrobiologische Untersuchung von Lebensmitteln. Baumgart J, Bockemühl J, Lehrmacher A: Nachweis von pathogenen und toxinogenen Mikroorganismen. Behr's Verlag GmbH & Co.KG. Aktualisierung, Mai 2009].
9. Blüte M: Pathogene Miroorganismen. *Listeria monocytogenes*. Band I: Vorkommen, Erkrankungsformen und Diagnostik. Behr's Verlag, 2008
10. Leclercq A. (2004): Atypical colonial morphology and low recoveries of *Listeria monocytogenes* strains on Oxford, PALCAM, Rapid'L. mono and ALOA solid media. *J. Microbiol Methods* 57, 251–258, 2004]
11. Collins MD, Wallbanks S, Lane DJ, Shah J, Nitetupski R, Smida J, Dorsch M, Stackebrandt E (1991): Phylogenetic analysis of the genus *Listeria* based on reverse transcriptase sequencing of 16S rRNA. *Int. J Syst. Bacteriol.* 41: 240–246;
12. Seeliger HPR, Jones D (1986): Genus *Listeria*. *Bergey's manual of systematic bacteriology*. Vol. 2:1235-1245.
13. Glaser, P. et al. (2001). Comparative genomics of *Listeria* species. *Science*. Bd. 294: 849–852
14. Juntila JR, Niemala S Hirn I, Hirn J (1988): Minimum growth temperature of *L. monocytogenes* and non-haemolytic *Listeria*. *J. Appl. Bact.* 65: 321–327
15. Blüte M (2008): Pathogene Miroorganismen. *Listeria monocytogenes*. Band II: Überlebensfähigkeit, Präventionsstrategien und Lebensmittelsicherheit. Behr's Verlag].
16. Cotter PD, Hill C (2003): Surviving the acid test: response of gram positive bacteria to low pH. *Microbiol. Mol. Biol. Rev.* 67: 429–453
17. Yousef AE, Courtney PD (2003): Basics of Stress Adaption and Implications in New-Generation Foods. *Microbial Stress Adaptation and Food Safety* CRC Press
18. O'Driscoll B, Cahan B, Hill CGM, Hill C (1996): Adaptive acid tolerance response in *L. monocytogenes*: isolation of an acid-tolerant mutant which demonstrated increase virulence. *Appl. Environ. Microbiol.* 62: 1693–1698
19. Terplan G (1989): Vorkommen von *Listerien* in milchwirtschaftlichen Betrieben sowie Milchprodukten. *Dtsch. Milchwirtsch.* 9: 268–275
20. Ingham SC, Escude JM, McCrown P (1990): Comparative growth rates of *L. monocytogenes* and *Pseudomonas fragi* on cooked chicken loaf stored under air and two modified atmospheres. *J. Food Protect.* 53: 289–329
21. Schillinger U, Becker B, Vignolo G, Holzapfel WH (2001): Efficacy of nisin in combination with protective cultures against *L. monocytogenes* Scott A in tofu. *Int. J. Food Microbiol.* 71: 159–168
22. Muriana PM (1996): Bacteriocins for control of *Listeria* spp. in foods. *J. Food Protect. Suppl.* 54–63
23. Hof H, Rocourt J (1992): Is any strain of *Listeria monocytogenes* detected in food a health risk? *Int. J. Food Microbiol.* 16: 173–182
24. Hof H (1984): Virulence of different strains of *Listeria monocytogenes* serovar 1/2a. *Med. Microbiol. Immunol.* 173: 207–210
25. Murray EGD, Webb RA, Swann MBR (1926): A disease of rabbits characterised by large mononuclear leucocytosis, caused by a hitherto undescribed bacillus, *Bacterium monocytogenes* (n.sp.). *J Pathol. Bacteriol.* 29: 407–439
26. Schlech WF, Lavigne PM, Bortolussi RA, Allen AC, Haldane EV, Wort AJ, Hightower AW, Johnson SE, Nicholls ES, Broome CV (1983): Epidemic listeriosis – evidence for transmission by food. *New Engl. J. Med.* 308: 203–206
27. Farber JM, Peterkin PI (1991): *Listeria monocytogenes*, a food-borne pathogen. *Microbiol. Rev.* 55: 476–511; Jones D (1990): Foodborne listeriosis. *Lancet* 336:1171–1174
28. Gray ML, Killinger AH (1966): *Listeria monocytogenes* and listeric infections. *Bacteriol Rev* 30: 309–82
29. Hof H (2004): Kapitel 29: *Listeria monocytogenes* und andere *Listerien*. In: D. Adam et al. (Hrsg.). *Die Infektiologie*. Springer Verlag, Berlin 2004, S. 945–952
30. Hof H (1999): Listeriose - Was Ärzte über Infektionsrisiken und Erkrankung wissen sollten. *Bundesgesundheitsbl. Gesundheitsforsch. Gesundheitsschutz.* 7, 558–561
31. Gellin BG, Broome CV (1989): Listeriosis. *Jama* 261: 1313–1320; Nieman RE, Lorber B (1980): Listeriosis in adults: a changing pat-

- tern. Report of eight cases and review of the literature, 1968-1978. *Rev Infect Dis* 2:207-227
32. EC (Europäische Kommission) (2003): Final Report. Feasibility study for a collaborative surveillance of Listeria infections in Europe. European Commission, Health & Consumer Protection Directorate-General (SANCO)
33. Robert-Koch-Institut: Epidemiologisches Bulletin. 8. Dezember 2006/Nr. 49
34. Chakraborty T, Goebel W (1988): Recent developments in the study of virulence in *Listeria monocytogenes*. *Curr. Top Microbiol. Immunol.* 138: 41-58
35. Cossart P, Mengaud J (1989): *Listeria monocytogenes*. A model system for the molecular study of intracellular parasitism. *Mol Biol. Med.* 6: 463-474
36. Kreft J (1992): *Listeria monocytogenes - ein Modell für fakultativ intrazelluläre Bakterien*. BioEng. 1: 65-70
37. Tilney LG, Portnoy DA (1989): Actin filaments and the growth, movement, and spread of the intracellular bacterial parasite, *Listeria monocytogenes*. *J Cell Biol* 109: 1597-1608
38. Gaillard JL, Berche P, Frehel, C., Gouin, E. & Cossart, P. (1991): Entry of *L. monocytogenes* into cells is mediated by internalin, a repeat protein reminiscent of surface antigens from gram-positive cocci. *Cell* 65: 1127-1141
39. Dramsi, S., Biswas, I., Maguin, E., Braun, L., Mastroeni, P. & Cossart, P. (1995): Entry of *Listeria monocytogenes* into hepatocytes requires expression of *inIB*, a surface protein of the internalin multigene family. *Mol Microbiol* 16: 251-261
40. Lingnau A, Domann E, Hudel M, Bock M., Nichterlein T, Wehland J, Chakraborty T (1995): Expression of the *Listeria monocytogenes* EGD *inlA* and *inlB* genes, whose products mediate bacterial entry into tissue culture cell lines, by *PrfA*-dependent and -independent mechanisms. *Infect Immun* 63: 3896-3903
41. Geoffroy C, Gaillard JL, Alouf JE, Berche P (1987): Purification, characterization, and toxicity of the sulfhydryl-activated hemolysin listeriolysin O from *Listeria monocytogenes*. *Infect Immun* 55: 1641-1646
42. Leimeister-Wächter M, Domann E, Chakraborty T (1991): Detection of a gene encoding a phosphatidylinositol-specific phospholipase C that is co-ordinately expressed with listeriolysin in *Listeria monocytogenes*. *Mol Microbiol* 5: 361-366
43. Camilli A, Tilney LG, Portnoy DA (1993): Dual roles of *plcA* in *Listeria monocytogenes* pathogenesis. *Mol Microbiol* 8: 143-157
44. Finelli A, Kerksiek KM, Allen SE, Marshall N, Mercado R, Pilip I, Busch DH, Palmer EG (1999): MHC class I restricted T cell responses to *Listeria monocytogenes*, an intracellular bacterial pathogen. *Immunol Res* 19: 211-223
45. Edelson BT, Unanue ER (2000): Immunity to *Listeria* infection. *Curr Opin Immunol* 12: 425-431
46. Cossart P, Bierne H (2001): The use of host cell machinery in the pathogenesis of *Listeria monocytogenes*. *Curr Opin Immunol* 13: 96-103
47. Weber A, Potel J, Schäfer-Schmidt R, Prell A, Datzmann C (1995): Untersuchungen zum Vorkommen von *Listeria monocytogenes* in Kotproben von Haus- und Heimtieren. *Zbl. Hyg.* 198: 117-123
48. Skovgaard N, Morgan CA (1998): Detektion von *Listeria spp.* In faeces from animals, in feeds and in raw foods of animal origin. *Int. J. Food Microbiol.* 6: 229-242
49. Ho AJ, Ivanek R, Gröhn YT, Nightingale KK, Wiedmann M (2007): *Listeria monocytogenes* fecal shedding in dairy cattle shows high levels of day-to-day variation and includes outbreaks and sporadic cases of shedding of specific *L. monocytogenes* subtypes. *Prev. Vet. Med.* 80: 287-305
50. Nightingale KK, Fortes ED, Ho AJ, Schukken YH, Grohn YT, Wiedmann M (2005): Evaluation of farm management practices as risk factors for clinical listeriosis and fecal shedding of *Listeria monocytogenes* in ruminants. *J Am. Vet. Med Assoc.* 227: 1808-1814
51. Nesbakken T, Kapperud G, Caugant DA (1996): Pathways of *L. monocytogenes* contamination in the meat processing industry. *Int. J. Food Microbiol.* 31: 161-171
52. Fischer M (1962): Incidence of listeriosis in the Bremen area during the years 1960 and 1961. *Dtsch. Med. Wschrft.* 87: 2682-2684;
53. Ortel NR, Stolle FA (1968): Bacteriological, serological and epidemiological studies during an outbreak of listeriosis. *Dtsch. Gesundheitsw.* 23: 753-759
54. Mead PS, Slutsker S, Dietz V, McCaig LF, Bresee JS, Shapiro C, Griffin PC, Tauxe RV (1999): Food related illness and death in the United States. *Emerg. Infect. Dis.* 5, 607-625