

BIBLIOGRAFIA

1. A.I.S.Le.C. *Appunti di viaggio*. Ma.Ro. editrice, Pavia,1999.
2. Adam K, Oswald I. *Sleep helps healing*. British Medical Journal,289,1400-1,1984.
3. Alexander LR., Spungen AM., Liu Mh. Et al. *Resting metabolic rate in subject with paraplegia: the effect of pressure ulcers*. Arch.Phys.Med.Rehabil.76(9):819-22,1995.
4. Allman R.M., Laprade C.A.*Pressure sores among hospitalized patients*. Ann Intern Med 105:337-42, 1986.
5. Andrews M, Gallagher-Allred C. *The role of zinc in wound healing*. Adv Wound Care 12:137-138, 1999.
6. Aquilani r., Boschi F., Contardi A et al. *Energy expenditure and nutritional adequacy of rehabilitation paraplegics with asymptomatic bacteriruria and pressare ulcers*. Spinal Cord 39(8):437-441,2001.
7. Ayello EA,Thomas DR, Litchford MA. *Nutritional aspects of wound healing*. Home Healthc Nurse 17(11):719-729, 1999.
8. Bale S., Jones V. *Wound Care Nursing: A Patient-Centred Approach*. Balliere Tindal, London, 1997.

9. BAPEN, *Organization of Nutritional Support in Hospitals*. Maidenhead, Berkshire, 1994 .
10. Barbul A, Lazarou S, Efron DT et al. *Arginine enhances wound healing and lymphocyte immune responses in humans*. *Surgery* 108(2):331-337, 1990.
11. Barbul A., Lazarou S.A., Efron D.T., Wasserkrug H.L. and Efron G. *Arginine enhance wound healing and lymphocyte immune response in humans*. *Surgery* 108:331-7,1990.
12. Barco KT., Smith RA., Peerless JR. et al. *Energy expenditure assessment and validation after acute spinal cord injury*. *Nutr.Clin.Pract* 17:309-13, 2002.
13. Beber S. *Nutrition and wound care. Rehab and community care management*. Vol.10 N.2, 2001.
14. Bedogni G. *Valutazione antropometrica dello stato di nutrizionale, corso teorico-pratico*. A.N.D.I.D., Perugia, 2004.
15. Bergstrom N, Bennett MA, Carlson CE, et al. *Treatment of Pressure Ulcers. Clinical Practice Guideline*. N. 15. Rockville, MD: US Department of Health Care and Policy and Research. AHCPR Publication No. 95-0652. December 1994.
16. Bozzetti F. Guarnirei G. et al. *Manuale di nutrizione artificiale*. Masson, Milano, 1992.

17. Breslow R. *Nutritional status and dietary intake of patients with pressure ulcers: review of research literature 1943-1989*. Decubitus 4(1): 16-21, 1991.
18. Breslow R.A., Hallfrisch J., Guy D.C., Crauwly D., Goldberg A.P. *Importance of dietary protein in healing pressure ulcers*. J.Am.Geriatric.Soc.41:357-362, 1993.
19. Breslow R.A., Bergstrom N. *Nutritional prediction of pressure ulcers*. JADA 94:1301-1304, 1994.
20. Brocklehurst JC, Griffiths LL, Taylor GF et al. *The clinical features of chronic vitamin deficiency: a therapeutic trial in geriatric hospital patients*. Gerontologia Clinica 10:309-20, 1968.
21. Butterworth R. *Quantification of cell types in human granulation tissue*. J wound care.1:32-33, 1992.
22. Capellini P., Vannucchi V. *Chimica degli alimenti, II edizione*. Zanichelli, Bologna, 1990.
23. Cheryl W. Thompson RD, MEd, CNSD. *Nutrition and adult wound healing*. Nutrition Week, January 18, 2003.
24. Coats, KG Morgan SI, Bartolucci AA, Weinsler RL. *Hospital associated malnutrition: a reevaluation 12 years later*. J Am Diet Assoc.1993:93:27-33.
25. Collins C.M. *Nutrition and wound healing*. Care of the critically III, 12:3 87-90, 1996.

26. Consortium for Spinal Cord Medicine. *Pressure Ulcer Prevention and Treatment Following Spinal Cord Injury: a clinical practice guideline for health-care professionals*. 2000.
27. CoxSA., Weiss SM., Posuniak EA. et al. *Energy expenditure after spinal cord injury: an evaluation of stable rehabilitating patients*. J Trauma 25(5):419-23, 1985.
28. Crandon JH, Lund CC, Dill DB. *Experimental human scurvy*. N Engl J Med. 23(10):353-369, 1940.
29. Cruse J.M., Lewis R.E., Dilioglou S. et al. *Review of immunefunction, healing of pressure ulcers and nutritional status in patients with spinal cord injury*. J Spinal Cord Med 23(2):129-135, 2000.
30. D.M.O.-S.I.O.T e. R *Progetto per la prevenzione e il trattamento delle "lesioni da decubito"*. Azienda Ospedaliera di Perugia, 2002.
31. Dalle Aziende. *Nutrizione ed ulcere da decubito*. Minerva Chirurgica. Vol.57 N.3, 1999.
32. Daly JM, Reynolds J, Thom A et al. *Immune and metabolic effects of arginine in the surgical patient*. Ann Surg 208(4):512-523, 1988.
33. David JA. *Wound Management. A Comprehensive Guide to Dressing & Healing*. Martin Dunitz, 1986.

34. De Bandt J-P, Coudray-Lucas C, Lioret N, et al. *A randomized controlled trial of the influence of the mode of enteral ornithine alpha-ketoglutarate administration in burn patients.* J. Nutr 128: 563-569, 1998.
35. Declair V. *The usefulness of topical application of essential fatty acids (EFA) to prevent pressure ulcers.* Ostomy Wound Manage 43(5):48-54, 1997.
36. Delaney, HM, Demetriou AA, Teh E et al. *Effect of early postoperative nutritional support on skin wound and colon anastomosis healing.* JPEN J Parenter and Enteral Nutr14:357-361, 1990.
37. Demetriades H, Botsios D, Kazantzidou D et al. *Effect of early postoperative enteral feeding on the healing of colonic anastomoses in rats. Comparison of three different enteral diets.* Eur Surg Res 31:57-63, 1999.
38. Di Benedetto P., Franceschini M., Lotta S. *Riabilitazione dei traumi vertebro midollari.* Edizione Minerva Medica, Torino, 1994.
39. Don W.Fawcett. *Elementi di istologia.* Edizione italiana a cura di Cimini V. CIC Edizioni Internazionali, Roma, 2001.
40. E.P.U.A.P. *Linee guida di Terapia delle Ulcere da Pressione.* Amsterdam, 1999.
41. Effeptive Health Care. *The prevention and treatment of pressure sores.* Vol.2 N.1, Churchill Livingstone, 1995.

42. Ehrlich HP, Tarver H, Hunt TK. *Inhibitory effects of vitamin E on collagen synthesis and wound repair*. Ann Surg 175(2):235-240, 1972.
43. Ehrlichman R.J., Seckel B.R., et al. *Common complication of wound healing: prevention and management*. Surg.Clin. North Am. 71:13-23, 1991.
44. Ek A.C., Unosson M., Larrson J., Von Schenck H., Bjurulf P. *The development and healing of pressure sores related to the nutritional state*. Clin Nutr 10:245-50,1991.
45. De Agostini. *Enciclopedia della medicina*. Torino, 2003.
46. European Pressure Ulcer Advisory Panel. *Linee guida di terapia delle ulcere da pressione, versione italiana*. Genova, 1999.
47. Ferguson M., Cook A., Bender S. et al. *Pressure ulcer management; the importance of nutrition*. Med Surg. Nursing 2000.
48. Fidanza F. *Alimentazione e Nutrizione Umana*. Idelson, Sorbona, 1996.
49. Galli E. *Alimentazione parenterale ed entrale, II edizione*. Masson, Milano, 1992.
50. Gentile M.G. *Aggiornamenti nutrizione clinica, volume 7*. Il Pensiero Scientifico Editore. Roma, 1998.

51. Gentile M.G. *Aggiornamenti nutrizione clinica*, volume 10. Il Pensiero Scientifico Editore. Roma, 2002.
52. Gentile M.G. *Aggiornamento in nutrizione clinica*. Vol. 8, cap. 13. Pensiero Scientifico Editore. Roma, 2000.
53. Goode H.F., Burns E., Walker B.E. *Vitamin C depletion and pressure sores in elderly patients with femoral neck fracture*. Br.Med.J. 35:925-927, 1992.
54. Gray D., Cooper P. *Nutrition and wound healing: what is the link?* Journal of wound care, vol. 10, N. 3, 2001.
55. Griffin C.P., Smith S.H. *The importance of nutritional assessment*. Harvesting the power of nature, 2001.
56. Handerson C.T. *Safe and effective tube feeding of bedridden elderly*. Geriatrics, 1991.
57. Havlik R.J. *Vitamin E and wound healing*. Plastic Surgery Educational Foundation DATA Committee. Plast Reconstr Surg. 100 (7):1901-2, 1997.
58. Haydock DA, Hill GL. *Impaired wound healing in surgical patients with varying degrees of malnutrition*. JPEN J Parenter Enteral Nutr 10:550-555, 1986.
59. Hess C.T. Edizione italiana a cura di Bellinger A. *Guida clinica alla cura delle lesioni cutanee*. Masson. Milano, 1999.
60. Hester D., Kjeldse JA. *Nutrition support in neurologic impairment*. Chp 28 IN: Contemporary Nutrition Support

Practice, A Clinical Guide. W.B. Saunders, Philadelphia 1998.

61. Hsia Liu M., Spungen AM., Fink L. et al. *Increased energy needs in patients with quadriplegia and pressure ulcers.* Adv Wound Care 9(3):41-45,1996.
62. Hu SS, Fontaine F, Kelly B et al. *Nutritional depletion in staged spinal reconstructive surgery. The effect of totalparenteral nutrition.* Spine 23:1401-5, 1998.
63. Hulseley TK, O'Neill JA, Neblett WR et al. *Experimental wound healing in essential fatty acid deficiency.* J Pediatr Surgery 15(4):505-508, 1980.
64. Hunt T.K. *Vitamin A and wound healing.* J.Am.Acad.Dermatol.15:817-821,1986.
65. Hunt TK, Ehrlich HP, Garcia JA et al. *Effect of vitamin A on reversing the inhibitory effect of cortisone on healing of open wounds in animals and man.* Ann Surg 170:633-641, 1969.
66. I.N.R.A.N. *Tabelle di composizione degli alimenti.* Edra. Milano, 2000.
67. Jurado RL. *Iron, infections, and anemia of inflammation.* Clin Infect Dis 25(4):888-95, 1997.
68. Kirk S.J., Hurson M., Regan M.C., Holt D.R., Wasserkrug H.L. and Barbul A. *Arginestimulates wound healing and immune function in elderly human being.* Surgery,114:155-60,1993.

69. Kiyama T, Witte MB, Thornton FJ et al. *The route of nutrition support affects the early phase of wound healing.* JPEN J Parenter Enteral Nutr 22(5):276-279,1998.
70. *L'approccio riabilitativo ai pazienti con lesione spinale.* Atti del congresso nazionale A.I.T.R., Firenze, 1988.
71. *La salute vien mangiando,* INRAN, Lega Italiana contro i tumori, Ministero delle Politiche Agricole e Forestal, Habitat editori, Siena, 2002.
72. Langkamp-Henken B, Herrlinger-Garcia KA, Stechmiller JK et al. *Arginine supplementation is well tolerated but does not enhance mitogen-induced lymphocyte proliferation in elderly nursing home residents with pressure ulcers.* JPEN J Parenter Enteral Nutr 24:280-287, 2000.
73. Lennard-jones J.E. *Positive approach to nutrition as a treatment.* King's Fund center, London, 1994.
74. Levenson SM, Demetriou AA. *Metabolic Factors.* IN: Wound Healing Biochemical and Clinical Aspects. Cohen IK, Diegelmann RF, Lindblad WJ (Eds). W.B. Saunders Company, Philadelphia 1992 pg 248-273.
75. Levenson SM, Gruber CA, Rettura G et al. *Supplemental vitamin A prevents the acute radiation-induced defect in wound healing.* Ann Surg. 200(4):494-511; disc 511-512, 1984.

76. Lewis B. *Nutrition and wound healing*. IN: Wound Healing: Alternatives Management. Third edition Chp 2. Kloth LC, McCulloch JM eds. F.A. Davis Company, Philadelphia PA, 2002 pg 35-67.
77. Lewis B.K., Harding K.G. *Nutritional intake and wound healing in elderly people*. J. wound care,2:4 227-229,1993.
78. Lewis D.H., Zetterqvist H., Svensson P.-G.: *Skin blood flow in an area at risk for pressure sore*. Scand J Rehab Med 16: 85-89, 1984.
79. *Linee guida aziendali per la prevenzione ed il trattamento delle lesioni da decubito*. USL Pescara, 2003.
80. Linee guida dell'associazione americana Cardiologia, 1988;Linee guida dell'Istituto Nazionale Tumori e la Associazione Nazionale di Oncologia,1991.
81. *Linee guida per il trattamento delle ulcere da decubito*. Azienda ASL/Ragusa, 2002.
82. *Linee guida per la prevenzione e il trattamento delle lesioni da decubito*. Azienda ospedaliera di Bologna, Policlinico S.Orsola Malpighi, 1 ottobre 2001.
83. *Linee guida per una sana alimentazione*,I NRAN, 2003.
84. Linee guida proposte dal Comitato della nutrizione e dei fabbisogni umani del Senato degli Stati Uniti, 1990.

85. *Linee-guida per il trattamento delle lesioni da decubito.* Agency for Health Care Policy and Research (AHCPR),1994.
86. Lohaman T.G., Roche A.F., Martorell R. *Antropometric standardization reference manual.* Edizione italiana a cura di Battistini N.C., Bedogni G. Edra editrice, Milano,1992.
87. Lown D. *Wound Healing.* IN: Matarese LE, Gottschlich MM (Eds.) *Contemporary Nutrition Support Practice, A Clinical Guide.* W.B. Saunders, Philadelphia 1998 pg 583-589.
88. Martini F., Timmons M., McKinley M. Edizione italiana a cura di Cocco L., Manzoli L., Zummo G. *Anatomia Umana.* Edises, Napoli, 2001.
89. McLaren S.M.G. *Nutrition and wound healing.* J wound care 1:45-55, 1992.
90. Menarini M. *Blue Book: 200 risposte alla mielolesione.* Labanti e Nanni Editrice, Bologna,1998.
91. Moolten S.E. *Bedsore in the chronically ill patients.* Erch.Phys.Med.Reahbil.53:430-8,1972.
92. Morgan S.L. *Identification of indicators for improving the diagnosis of malnutrition.* Nutrition, 11(suppl.2):202-4, 1995.
93. Morley J, Silver A. *Nutritional issues in nursing home care.* Ann Intern Med. 1995;123:850-859.

94. Motta Paolo C. *Linee guida, clinical pathway e procedure per la pratica infermieristica: inquadramento concettuale e metodologico*. Nursing Oggi, n. 4, 2001.
95. Mulholland J.H. et al. *Protein metabolism and bed sores*. Annali of Surgery, 118:1015-23,1943.
96. Nano M., Ricci E. *Le piaghe da decubito nel paziente anziano*. Edizione Minerva Medica, Torino, 1997.
97. National Spinal Injuries Center, Stoke Mendeville NHS Trust. *Patient Information Manual*, 1990.
98. Nelson J.K., Moxness K.E., Jensen M.D., Gastineau C.F. *Dietoterapic, Mayo Clinic Diet Manual*, settima edizione. Edizione italiana a cura di Balzala F. e Santini P. Centro scientifico Editore, Torino, 1998.
99. North G. and Booth A. *Why appraise the evidence? A case study of vitamin C and the healing of pressure sores*. Journal of human nutrition and dietetics.12:237-244,1999.
100. *Oral/enteral nutrition therapy for adult patients with pressare ulcers*. LDS Hospital nutrition support service, Salt Lake City, 2003.
101. Osterweil O, et al. *Pressure ulcers and nutrition*. Chp 32, IN Geriatric Nutrition. 2nd ed. Raven Press Ltd, New York, NY, 1995.

- 102.** Pinchofsky-Devin G.D., Kamiski M.V. *Correlation of pressure sores with nutritional status.* JAGS 34:345-440,1986.
- 103.** Porras-Reyes BH, Schreiner GF, Lefkowitz JB et al. *Essential fatty acids are not required for wound healing.* Prostaglandins Leukot Essent Fatty Acids 45(4):293-8, 1992.
- 104.** *Prevenzione e terapia delle piaghe da decubito.* Regione Emilia-Romagna, I quaderni di Ventotto, n°55,1993.
- 105.** *Programma Nazionale per l'Educazione sul Colesterolo (NCEP)* a cura dell'Istituto Nazionale della Sanità (NHI), 1992.
- 106.** *Protocollo di Assistenza Infermieristica per le ulcere da decubito.* II Medicina-Ospedale S. Eugenio, ASL RM C., 2001.
- 107.** *Protocollo operativo per il trattamento delle lesioni da decubito.* U.O. Rianimazione, ASL Sondrio,2001.
- 108.** *Protocollo per la prevenzione e trattamento delle lesioni da decubito.* Azienda ULSS 18 Rovigo, 2000.
- 109.** Pubblicazione mediatica, *Nutrizione e ulcere da decubito*, di Fusco Maria Antonia Direttore U.O di Dietologia e Nutrizione Clinica Azienda Ospedaliera San Camillo-Forlani-Roma. Ultima visione, Dic., 2003.

- 110.** Pubblicazione multimediale del Prof. Sergio Aito; internista dell'Unità spinale dell'Azienda ospedaliera Careggi, Firenze.
- 111.** Pubblicazione mediatica dell'Ass. A. Santa Maria O.N.L.U.S. Castellanza (VA), 2003.
- 112.** Pubblicazione mediatica di Fusco M.A., Presidente Ass. Italiana di Dietetica e Nutrizione Clinica. *Nutrizione e ulcere da decubito*. 2001.
- 113.** Pubblicazione mediatica sul sito internet www.lesionimidollari.org 15/09/2004
- 114.** Pubblicazione mediatica tratta da "L'uomo spinale, approccio psicologico e sanitario alla medullolesione". AUS Ospedale Riguarda Cà Granda
- 115.** Pubblicazione multimediale sul sito web <http://www.geragogia.net.html> 09/10/2003.
- 116.** Rajas A.I. and Phillips T.J. Boston university school of medicine, departement of dermatologi, Boston, Massachuselts. *Patient with chronic leg ulcer show diminished levels of vitamins A and E, carotenes and zinco*. *Dermatology Surgery* 25:601-604,1999.
- 117.** Regolamento concernente l'individuazione della figura e relativo profilo professionale del dietista. Ministero della Sanità. Roma, 1994.

- 118.** Reilly J, Hull SF, Alert N, Waller A, Bringardener S. *Economic impact of malnutrition: a model system for hospitalized patients.* JPEN,1998;88:371-376.
- 119.** Riet G, Kessels AG, Knipschild PG. *Randomized clinical trial of ascorbic acid in the treatment of pressure ulcers.* J Clin Epidemiol 48(12):1453-1460, 1995.
- 120.** Rothemberg R. *Enciclopedia Garzanti della medicina.* Garzanti Editori, Milano 1998.
- 121.** Russel L. *Malnutrition and pressure ulcers: nutritional assesment tools.* British Journal of Nursing,vol.9,N.4,2000.
- 122.** Russel L., Taylor J., brewitt J., Ireland M., Reynolds T. *Development and validation of the Burton score: a tool for nutritional assessment.* J tissue Viabil 8(4):16-22,1998.
- 123.** S.I.N.U. *Livelli di assunzione raccomandata di nutrienti per la popolazione italiana.* Edra, Milano,1996.
- 124.** Schroeder D, Gillanders L, Mahr K et al. *Effects of immediate postoperative enteral nutrition on body composition, muscle function and wound healing.* JPEN J Parenter Enteral Nutr 15:376-383, 1991.
- 125.** Seiffter E, Rettura G, Padawer J et al. *Impaired wound healing in streptozotocin diabetes prevention by supplemental vitamin A.* Ann Surg 194: 42-49, 1981.
- 126.** Selvaag E, Bohmer T, Benkestock K. *Reduced serum concentrations of riboflavin and ascorbic acid, and blood thiamine pyrophosphate and pyridoxal-5-phosphate in*

geriatric patients with and without pressure ulcers. J Nutr Health Aging 6(1):75-77, 2002.

- 127.** Shi HP, Fishel RS, Efron DT et al. *Effect of supplemental ornithine on wound healing. J Surg Res. 106(2):299-302, 2002.*
- 128.** *Expert panel on detection, Evaluation and Treatment of High Blood Cholesterol in Adult, Jama, 2001.*
- 129.** Solaman N.W. Zinc and copper. In: Shils M.E., Young V.R. *Modern nutrition in health and disease. Philadelphia: Lea & Febiger. 238-262, 1998.*
- 130.** Srauss E, Margolis D. *Malnutrition in patients with pressure ulcer. Advances in wound care, 1996;9:37-40.*
- 131.** Ter Riet G., Kessels A.G., Knispchild P.G. *Randomized clinical trial of ascorbic acid in the treatment of pressure ulcers. J Cli. Epidemiol. 48:1453-1460, 1995.*
- 132.** Third EPUAP Open Meeting. *Nutrition in relation to pressure ulcers. 2-4 september 1999.*
- 133.** Thomas D.R. *The role of nutrition in prevention and healing of pressure ulcers. Clinics in Geriatric Medicine. Vol.13, N.3, 1997.*
- 134.** Thomas D.R., Goode P.S., Allman R.A. *Malnutrition and risk of pressure ulcers. J am Geriatric Soc, 1995*

- 135.** Thomas R.D. *Improving outcome of pressure ulcers with nutritional interventions: a review of the evidence.* Nutrition 17:121-125, 2001.
- 136.** Thompson C.W. *Nutrition and wound healing.* Nutrition Week, 2003.
- 137.** Vannozzi G. et al. *Lineamenti di nutrizione clinica.* Il pensiero scientifico editore, Roma, 1998.
- 138.** Weizweig J, Levenson SM, Rettura G et al. *Supplemental vitamin A prevents the tumor-induced defect in wound healing.* Ann Surg 211(3):269-276, 1990.
- 139.** Wicke C, Halliday B, Allen D et al. *Effects of steroids and retinoids on wound healing.* Arch Surg 135:1265-1270, 2000.
- 140.** Wilkinson EAJ, Hawke CI. *Does oral zinc aid in the healing of chronic leg ulcers? A systematic literature review.* ArchDermatol 134:1556-1560, 1998.
- 141.** Wilmore, DW. *The effect of glutamine supplementation in patients following elective surgery and accidental injury.* JNutr 131: 2543S - 9S, 2001.
- 142.** Ziegler TR, Benfell K, Smith RJ et al. *Safety and metabolic effects of L-glutamine administration in humans.* JPEN JParenter Enteral Nutr 14(4Suppl):137S-146S, 1990.

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