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# References

# References

1. Aaron, H. F., and Schwartz, W. B., *The Painful Prescription—Rationing Hospital Care* (Washington, DC: The Brookings Institution, 1984).
2. Abram, H. S., and Wadlington, W., "Selection of Patients for Artificial and Transplanted Organs," *Ann. Intern. Med.* 69:615, 1968.
3. Abramson, N. S., Wald, K. S., Grenvik, A. N. A., et al., "Adverse Occurrences in Intensive Care Units," *J. A.M.A.* 244(14):1582, 1980.
4. American Hospital Association, *Hospital Statistics*, 1977 to 1983 editions (Chicago, IL: American Hospital Association, 1977 to 1983).
5. *American Medical News*, "Court Vacates Murder Against Two MDs," Oct. 14, 1983, p. 1.
6. Arthur D. Little, Inc., "Planning for General Medical and Surgical Intensive Care Units: A Technical Assistance Document for Planning Agencies," prepared for the U.S. Department of Health, Education, and Welfare, publication No. (HRS) 79-14020 (Washington, DC: U.S. Government Printing Office, 1979).
7. Avorn, J., "Benefit and Cost Analysis in Geriatric Care: Turning Age Discrimination in Health Policy," *N. Engl. J. Med.* 310(20):1294, 1984.
8. Ayres, S. M., "Critical Care Medicine," introduction in *Major Issues in Critical Care Medicine*, J. E. Parrillo and S. M. Ayres (eds.) (Baltimore, MD: Williams & Wilkins, 1984).
9. Baker, R., Knaus, W. A., Draper, E. A., et al., "Initial Evaluation of No-Resuscitation Decisions," manuscript in preparation, 1983.
10. Bartlett, R. H., Gazzaniga, A. B., Wilson, A. F., et al., "Mortality Prediction in Adult Respiratory Insufficiency," *Chest* 67(6):680, 1975.
11. Bates, D. V., "Workshop on Intensive Care Units," comments of the National Academy of Sciences, National Research Council, Committee on Anesthesia, *Anesthesiology* 25:192, 1964.
12. Bayer, R., Callahan, D., Fletcher, J., et al., "The Care of the Terminally Ill: Mortality and Economics," *N. Engl. J. Med.* 309(24):1490, 1983.
13. Beauchamp, T. L., and Childress, J. F., *Principles of Biomedical Ethics* (New York: Oxford University Press, 1979).
14. Becker, E. L., "Finite Resources and Medical Triage," *Am. J. Med.* 66:549, 1979.
15. Bedell, S., and Delbanco, T. L., "Choices About Cardiopulmonary Resuscitation in the Hospital—When Do Physicians Talk With Patients?" *N. Engl. J. Med.* 310(17):1089, 1984.
16. Bell, J. A., et al., "Six Years of Multidisciplinary Intensive Care," *Brit. Med. J.* 2:483, 1974.
17. Bendixen, H. H., Egbert, L. D., Hedley-White, J., et al., *Resp. Care* (St. Louis, MO: The C. V. Mosby Co., 1965).
18. Bendixen, H. H., "The Cost of Intensive Care," ch. 22 in *Costs, Risks, and Benefits of Surgery*, J. P. Bunker, B.A. Barnes, and F. Mosteller (eds.) (New York: Oxford University Press, 1977).
19. Bicknell, W. J., and Walsh, D. C., "Certification-of-Need: The Massachusetts Experience," *N. Engl. J. Med.* 292:1054, 1975.
20. Biles, B., Schramm, C. J., and Atkinson, J. G., "Hospital Cost Inflation Under State Rate-Setting Programs," *N. Engl. J. Med.* 303(12):664, 1980.
21. Bolsen, B., "MDs, Lawyers Probe Ethical, Legal Issues in Ending Treatment," *American Medical News*, p. 17, Apr. 6, 1984.
22. Bovbjerg, R., "The Medical Malpractice Standard of Care: HMOS and Customary Practice," *Duke Law J.* 1975(6), 1976.
23. Boyd, R., "Workshop on Intensive Care Units," comments of the National Academy of Sciences, National Research Council, Committee on Anesthesia, *Anesthesiology* 25:192, 1964.
24. Bradburn, B. G., and Hewitt, P. B., "The Effects of the Intensive Therapy Ward Environment on Patients' Subjective Impressions: A Followup Study," *Intensive Care Med.* 7:15, 1980.
25. British Medical Association, Planning Unit, report of the Working Party on Intensive Care, (1):5, 1967.
26. Brooks, T. A., "Withholding Treatment and Orders Not to Resuscitate," ch. 10 in *Legal and Ethical Aspects of Treating Critically and Terminally Ill Patients*, A. E. Doudera and J. D. Peters (eds.) (Ann Arbor, MI: Association of University Programs in Health Administration, 1982).
27. Brown, N. K., and Thompson, D. J., "Nontreatment of Fever in Extended-Care Facilities," *N. Engl. J. Med.* 300(22):1246, 1979.
28. Bulkley, B. H., "The Coronary Care Unit," ch. 1 in *Major Issues in Critical Care Medicine*, J. E. Parrillo and S. M. Ayres (eds.) (Baltimore, MD: Williams & Wilkins, 1984).
29. Byrick, R. J., Mindorff, C., McKee, L., et al., "Cost-Effectiveness of Intensive Care for Respiratory Failure Patients," *Crit. Care Med.* 8(6):332, 1980.
30. Cadmus, R. R., "Special Care for the Critical Case," *Hospitals* 20:65, 1954.
31. Callahan, J. A., Spiekerman, R. E., Broadbent, J. C., et al., "St. Mary's Hospital-Mayo Clinic

- Medical Intensive Care Units: II. Patient Population," *Mayo Clin. Proc.* 42:332, 1967.
32. Campbell, D., Reid, J. M., Tefler, A. B. M., et al., "Four Years of Respiratory Intensive Care," *Brit. Med. J.* 4:255, 1967.
  33. Campion, E. W., Mulley, A. G., Goldstein, R. L., et al., "Intensive Treatment for the Elderly," reply to Letter to the Editor, *J. A.M.A.* 247(23): 3186, 1982.
  34. Campion, E. W., Mulley, A. G., Goldstein, R. L., et al., "Medical Intensive Care for the Elderly: A Study of Current Use, Costs, and Outcomes," *J. A.M.A.* 246(18):2052, 1981.
  35. Caroline, N. L., "Quo Vadis Intensive Care: More Intensive or More Care?" guest editorial in *Crit. Care Med.* 5(5), 1977.
  36. Carroll, D. G., "Patterns of Medical Care in a Municipal Hospital Intensive Care Unit: Convenience or Necessity?" *Maryland State Med. J.* 20:89, 1971.
  37. Casali, R., et al., "Acute Renal Insufficiency Complicating Major Cardiovascular Surgery," *Am. Surg.* 181:370, 1975.
  38. Cassem, N. H., "When to Disconnect the Respirator," *Psychiatric Ann.* 9:38, 1979.
  39. Cassem, N. H., and Hackett, T. P., "Psychiatric Consultation in a Coronary Care Unit," *Ann. Intern. Med.* 75:9, 1971.
  40. Chassin, M. R., "Costs and Outcomes of Medical Intensive Care," *Medical Care* 20(2):165, 1982.
  41. Civetta, J. M., "The ICU Milieu: An Evaluation of the Allocation of a Limited Resource," *Resp. Care* 21(6):501, 1976.
  42. Civetta, J. M., "The Inverse Relationship Between Cost and Survival," *J. Surg. Res.* 14(3):265, 1973.
  43. Civetta, J. M., "Selection of Patients for Intensive Care," in *Recent Advances in Intensive Therapy*, I. M. Ledingham (ed.) (New York: Churchill Livingstone, 1977).
  44. Clark, T. J. H., Collins, J. V., Evans, T. R., et al., "A Review of Experience Operating a General Medical Intensive Care Unit," *Brit. Med. J.* 1:158, 1971.
  45. Coelen, C., and Sullivan, D., "An Analysis of the Effects of Prospective Reimbursement Programs on Hospital Care," *Health Care Finan. Rev.* 2:3, 1981.
  46. Cohen, C. B., "Ethical Problems of Intensive Care," *Anesthesiology* 47:217, 1977.
  47. Crockett, G. S., and Barr, A., "An Intensive Care Unit: Two Years Experience in a Provincial Hospital," *Brit. Med. J.* 2:1173, 1965.
  48. Cromwell, J., and Kanak, J. R., "The Effects of Prospective Reimbursement Programs on Hospital Adoption and Service Sharing," *Health Care Finan. Rev.* 4(2):67, 1982.
  49. Cromwell, J., Mitchell, J. B., and Windham, S. R., "The Cost Dynamics of Critical Illness," prepared by Health Economics Research, Inc., for the National Center for Health Services Research, Office of the Assistant Secretary for Health, U.S. Department of Health and Human Services, grant No. HS 04026, August 1981.
  50. Cullen, D. J., "Results, Charges, and Benefits of Intensive Care for Critically Ill Patients," presentation at the National Institute of Health Consensus Development Conference, Critical Care Medicine, Mar. 7, 1983.
  51. Cullen, D. J., "Results and Costs of Intensive Care," *Anesthesiology* 47:203, 1977.
  52. Cullen, D. J., "Surgical Intensive Care: Current Perceptions and Problems," *Crit. Care Med.* 9:295, 1981.
  53. Cullen, D. J., Civetta, J. M., Briggs, B. A., et al., "Therapeutic Intervention Scoring System: A Method for Quantitative Comparison of Patient Care," *Crit. Care Med.* 2:57, 1974.
  54. Cullen, D. J., Ferrara, L. C., Briggs, B. A., et al., "Survival, Hospitalization Charges and Follow-up Results in Critically Ill Patients," *N. Engl. J. Med.* 294(18):982, 1976.
  55. Cullen, D. J., Ferrara, L. C., Gilbert, J., et al., "Indicators of Intensive Care in Critically Ill Patients," *Crit. Care Med.* 5:173, 1977.
  56. Cullen, D. J., Keene, R., Kunsman, J. M., et al., "Results, Charges and Benefits of Intensive Care for Critically Ill Patients—Update 1983," *Crit. Care Med.* 12:102, 1984.
  57. Davidson, I. A., Bargh, W., Cruickshank, A. N., et al., "Crush Injuries of the Chest: A Followup Study of Patients Treated in an Artificial Ventilation Unit," *Thorax.* 24:563, 1969.
  58. Davis, P. B., and di Sant'Angnese, P. A., "Assisted Ventilation for Patients With Cystic Fibrosis," *J. A.M.A.* 239(18):1851, 1978.
  59. Day, H. W., "Effectiveness of an Intensive Coronary Care Area," *Am. J. Cardiology* 15:51, 1965.
  60. Derzon, R. A., "Influences of Reimbursement Policies on Technology," in *Critical Issues in Medical Technology*, B. J. McNeil and E. G. Cravalho (eds.) (Boston: Auburn House Publishing Co., 1982).
  61. Detsky, A. S., Stricker, S. C., Mulley, A. G., et al., "Prognosis, Survival and the Expenditure

- of Hospital Resources for Patients in an Intensive Care Unit," *N. Engl. J. Med.* 305(12):667, 1981.
62. Dlin, B., Rosen, H., Dickstein, K., et al., "The Problems of Sleep and Rest in the Intensive Care Unit," *Psychosomatic* 12(3):155, 1971.
  63. Donowitz, L. G., Wenzel, R. P., and Hoyt, J. W., "High Risk of Hospital-Acquired Infection in the ICU Patient," *Crit. Care Med.* 10(6):355, 1982.
  64. Dornhorst, A. C., comments on Intensive Care Units in Section of Anesthetics, *Proceedings of the Royal Society of Medicine* 59:1293, 1966.
  65. Downs, J. B., "Intensive Care and the Adult Respiratory Distress Syndrome," ch. 14 in *Major Issues in Critical Care Medicine*, J. E. Parrillo and S. M. Ayers (eds.) (Baltimore, MD: Williams & Wilkins, 1984).
  66. Drake, W. E., Jr., et al., "Acute Stroke Management and Patient Outcome: The Value of Neurovascular Care Units (NCU)," *Stroke* 4:933, 1973.
  67. Draper, E. A., Wagner, D. P., and Knaus, W. A., "The Use of Intensive Care: A Comparison of a University and Community Hospital," *Health Care Finan. Rev.* 3:49, 1981.
  68. *Duke Law Journal*, "The Medical Malpractice Threat: A Study of Defensive Medicine," 1971: 939.
  69. Engelhardt, H. T., Jr., "Case Studies in Bioethics: Case No. 228, A Demand to Die," *The Hastings Center Report* 5:9, 1975.
  70. Epstein, F. H., "Responsibility of the Physician in the Preservation of Life," *Arch. Intern. Med.* 139:919, 1979.
  71. Equitable Life Assurance Society of the United States, *Hospital Daily Service Charges, 1982*, catalog No. 104283 (New York: Equitable Life Assurance Society, 1982).
  72. Feder, J., Hadley, J., and Holohan, J., "Insuring the Nation's Health: Market Competition, Catastrophic and Comprehensive Approaches" (Washington, DC: The Urban Institute, 1981).
  73. *Federal Register*, 45:21582-21588, 1980.
  74. *Federal Register*, 48(171):39752-39890, Sept. 1, 1983.
  75. *Federal Register*, 49(129):27422-27463, Jan. 3, 1984.
  76. Fedullo, A. J., and Swinburne, A. J., "Relationship of Patient Age to Cost and Survival in a Medical ICU," *Crit. Care Med.* 11(3):155, 1983.
  77. Feldman, R., Sloan, F., Paringer, L., et al., "An Analysis of Hospitals' Methods of Compensating Physicians," The Urban Institute, working paper No. 1302-02, supported by the Health Care Financing Administration grant No. 95-P-97176/3-02, December 1979.
  78. Feller, I., Tholen, D., and Cornell, R. G., "Improvements in Burn Care, 1965 to 1979," *J. A.M.A.* 244:2074, 1980.
  79. Fineberg, H. V., Scadden, D., and Godman, L., "Care of Patients With a Low Probability of Acute Myocardial Infarction—Cost Effectiveness of Alternatives to Coronary Care Unit Admission," *N. Engl. J. Med.* 310(20):1301, 1984.
  80. Finkler, S. A., "The Distinction Between Cost and Charges," *Ann. Intern. Med.* 96(1):102, 1982.
  81. France, D., and Bismuth, H., "Five Years of Experience With an Intensive Care Unit Specializing in Abdominal Surgery," *Prog. Surg.* 15:37, 1977.
  82. Franklin, C., and Jackson, D., "Discharge Decision-Making in a Medical ICU: Characteristics of Unexpected Readmissions," *Crit. Care Med.* 11:61, 1983.
  83. Freid, C., "Rights in Health Care—Beyond Equity and Efficiency," *N. Engl. J. Med.* 293:241, 1975.
  84. Fuchs, V. R., *Who Shall Live? Health, Economics and Social Choice* (New York: Basic Books, Inc., 1974).
  85. Fuchs, R., and Scheidt, S., "Improved Criteria for Admission to Cardiac Care Units," *J. A.M.A.* 246:2037, 1981.
  86. Galbally, B. P., "The Hospital Service—Targets for Tomorrow: Intensive Care—Productivity and Cost Control," *National Hospital* 16:15, 1972.
  87. Gelber, R., director of Capital Hill Hospital ICU, personal communication, July 22, 1983.
  88. Gibson, R. M., Waldo, D. R., and Levit, K. R., "National Health Expenditures, 1982," *Health Care Finan. Rev.* 5(1):1-32, fall 1983.
  89. Gilligan, J. E., McCleave, D. J., Worthley, L., et al., "The Role of Intensive Care Units," *Aust. N.Z.J. Surg.* 46(4):301, 1976.
  90. Goldman, L., Weinberg, M., Weisberg, M., et al., "A Computer-Derived Protocol to Aid in the Diagnosis of Emergency Room Patients With Acute Chest Pain," *N. Engl. J. Med.* 307(10):588, 1982.
  91. Greenbaum, D. M., and Holbrook, P. R., "Fellowship Programs in Critical Care Medicine—1982," *Crit. Care Med.* 10(5):347, 1982.
  92. Greenbaum, D. M., and Holbrook, P. R., "Fellowship Programs in Critical Care Medicine, 1982, Addendum," *Crit. Care Med.* 10(11):785, 1982.
  93. Grenvik, A., personal communication, Aug. 24, 1983.
  94. Grenvik, A., "Terminal Weaning,' Discontin-

- uance of Life-Support Therapy in the Terminally Ill Patient," *Crit. Care Med.* 5:394, 1983.
95. Grenvik, A., Leonard, J. J., Arens, J. F., et al., "Critical Care Medicine: Certification as a Multidisciplinary Subspecialty," *Crit. Care Med.* 9:117, 1981.
  96. Grenvik, A., Pouner, D. J., Snyder, J. V., et al., "Cessation of Therapy in Terminal Illness and Brain Death," *Crit. Care Med.* 6(4):284, 1978.
  97. Griner, P. F., "Medical Intensive Care in the Teaching Hospital: Costs Versus Benefits," *Ann. Intern. Med.* 78(4):581, 1973.
  98. Griner, P. F., "Pulmonary Edema and the Intensive Care Unit," ch. 13 in *Major issues in Critical Care Medicine*, J. E. Parrillo and S. M. Ayers (eds.) (Baltimore, MD: Williams & Wilkins, 1984).
  99. Griner, P. F., "Treatment of Acute Pulmonary Edema: Conventional or Intensive Care?" *Ann. Intern. Med.* 77(4):501, 1972.
  100. Griner, P. F., "Use of Laboratory Tests in a Teaching Hospital: Long-Term Trends: Reductions in Use and Relative Costs," *Ann. Intern. Med.* 90:243, 1979.
  101. Griner, P. F., and Liptzin, B., "Use of the Laboratory in a Teaching Hospital: Implications for Patient Care, Education, and Hospital Costs," *Ann. Intern. Med.* 75(2):157, 1971.
  102. Guenter, C. A., and Welch, M. H., *Pulmonary Medicine* (Philadelphia: J. B. Lippincott Co., 1977).
  103. Gunby, P., "Compromise Reached on Suggested Intervals Between Pap Tests," *J. A.M.A.* 13(244):1411, 1980.
  104. Hackett, T. P., "The Psychiatrist's View of the ICU: Vital Signs Stable But Outlook Guarded," *Psychiatric Ann.* 6:10, 1976.
  105. Hackett, T. P., Cassem, N. H., and Wishnie, H. A., "The Coronary-Care Unit: An Appraisal of Its Psychologic Hazards," *N. Engl. J. Med.* 279(25):1365, 1968.
  106. Hadley, J., The Urban Institute, personal communication, June 8, 1983.
  107. Halbritter, R., Haider, M., Rackwitz, R., et al., "Zur Prognose der Langzeitbeatmung auf einer internen intensiv Station," *Intensive Med.* 16:233, 1979.
  108. Haley, R. W., Schaberg, D. R., and Crossley, K. B., "Extra Charges and Prolongation of Stay Attributable to Nosocomial Infections: A Perspective in Our Hospital Comparison," *Am. J. Med.* 70:51, 1981.
  109. Harris, J., "Price Rules for Hospitals," *Bell Journal of Economics* 10:224, 1979.
  110. Hauser, M. J., Tabak, J., and Baier, H., "Survival of Patients With Cancer in a Medical Critical Care Unit," *Arch. Intern. Med.* 142:527, 1982.
  111. Havighurst, C. C., Blumstein, J. F., and Bovbjerg, R., "Strategies in Underwriting the Costs of Catastrophic Disease," *Law & Contemporary Problems* 40(4):122, autumn 1976.
  112. Helbing, C., "Medicare: Use of and Charges for Accommodation and Ancillary Services in Short-Stay Hospitals, 1979," U.S. Department of Health and Human Services, Office of Research, Health Care Financing Administration, mimeograph undated.
  113. Helbing, C., Supervisory Statistician, Office of Research, Health Care Financing Administration, U.S. Department of Health and Human Services, personal communication, June 6, 1983.
  114. Hewitt, P. B., "Subjective Follow up of Patients From a Surgical Intensive Therapy Ward," *Brit. Med. J.* 4:669, 1970.
  115. Hilberman, M., "The Evolution of Intensive Care Units," *Crit. Care Med.* 3(4):159, 1975.
  116. Hook, E. W., Horton, C. A., and Schaberg, D. R., "Failure of Intensive Care Unit Support to Influence Mortality From Pneumococcal Bacteremia," *J. A.M.A.* 249(8):1055, 1983.
  117. Hopkins, C. C., "Identification of Infection Problems in Intensive Care Units," *Crit. Care Quarterly* 3(4):1, 1981.
  118. Horn, S. D., "Does Severity of Illness Make a Difference in Prospective Payment?" *Healthcare Financing Management*, 5:49, 1983.
  119. Howell, J. R., "Regulating Hospital Capital Investment: The Experience in Massachusetts," National Center for Health Services Research, Research Summary Series, U.S. Department of Health and Human Services publication No. (PHS) 81-3298 (Hyattsville, MD: U.S. Government Printing Office, 1981).
  120. Hubner, P. J. B., Goldberg, M. J., and Lawson, C. W., "Value of Routine Cardiac Monitoring in the Management of Acute Myocardial Infarction Outside a Coronary Care Unit," *Brit. Med. J.* 1:815, 1969.
  121. Ibsen, B., "The Anaesthetist's Viewpoint on the Treatment of Respiratory Complications in Poliomyelitis During the Epidemic in Copenhagen, 1952," *Proc. Roy. Soc. of Med.* 47:6, 1954.
  122. Iglehart, J. K., "The Politics of Transplantation," *N. Engl. J. Med.* 310(13):864, 1984.
  123. Imbus, S. H., and Zawacki, B. E., "Autonomy for Burned Patients When Survival Is Unprecedented," *N. Engl. J. Med.* 297(6):308, 1977.
  124. Jackson, D. L., and Younger, S., "Patient Au-

- tonomy and 'Death With Dignity,' " *N.Engl.J. Med.* 301(8):404, 1979.
125. Jennett, B., "Resource Allocation for the Severely Brain Damaged," *Arch. Neurol.* 33:595, 1976.
  126. Joint Commission on Accreditation of Hospitals, *Accreditation Manual for Hospitals* (Chicago, IL: 1980).
  127. Jones, J., Hoggart, B., Withey, J., et al., "What the Patients Say: A Study of Reactions to the Intensive Care Unit," *Intensive Care Med.* 5:89, 1979.
  128. *Journal of the American Medical Association*, "Guidelines for Organization of Critical Care Units," 222(12):1532, 1972.
  129. Kalla, A. H., and Voss, E. C., Jr., "% Intensive Care Unit Cost Effective?" *The West Virginia Med. J.* 76(7):151, 1980.
  130. Keene, A. R., and Cullen, D. J., "Therapeutic Intervention Scoring System: Update 1983," *Crit. Care Med.* 11:1, 1983.
  131. Kiely, W., "Critical Care Psychiatric Syndromes," *Heart & Lung* 2(1):54, 1973.
  132. Kiely, W. F., and Prucci, W. R., "Psychiatric Aspects of Critical Care," ch. 4 in *Mosby's Comprehensive Review of Critical Care*, D.A. Zschoche (ed.) (St. Louis, MO: The C. V. Mosby Co., 1981).
  133. Kirsch, J., "A Death at Kaiser Hospital," *California* 79-175, 1982.
  134. Klarman, H. E., Francis, J. D., and Rosenthal, A. D., "Cost-Effectiveness Analysis Applied to the Treatment of Chronic Renal Disease," *Medical Care* 6:48, 1968.
  135. Knaus, W. A., "Changing the Cause of Death," editorial, *J. A.M.A.* 249(8):1059, 1983.
  136. Knaus, W. A., and Thibault, G. E., "Intensive Care Units Today," in *Critical Issues in Medical Technology*, B. J. McNeil and E. G. Cravalho (eds.) (Boston: Auburn House Publishing CO., 1982).
  137. Knaus, W. A., and Wagner, D. P., "Intensive Treatment for the Elderly: Comment" letter to the editor, *J. A.M.A.* 47:3185, 1982.
  138. Knaus, W. A., Draper, E. A., Wagner, D. P., et al., "APACHE II: A Severity of Disease Classification System for Acutely Ill Patients," submitted for publication.
  139. Knaus, W. A., Draper, E. A., and Wagner, D. P., "Evaluating Medical-Surgical Intensive Care Units," ch. 4 in *Major Issues in Critical Care Medicine*, J. E. Parrillo and S. M. Ayers (eds.) (Baltimore, MD: Williams & Wilkins, 1984).
  140. Knaus, W. A., Draper, E. A., Wagner, D. P., et al., "Evaluating Outcome From Intensive Care: A Preliminary Multihospital Comparison," *Crit. Care Med.* 10:491, 1982.
  141. Knaus, W. A., Draper, E. A., and Wagner, D. P., "The Use of Intensive Care: New Research Initiatives and Their Implications for National Health Policy," in *Milbank Mere. Fund Q./Health & Society* 61(4):561, fall 1983.
  142. Knaus, W. A., LeGall, J. R., Wagner, D. P., et al., "A Comparison of Intensive Care in the U.S.A. and France," *Lancet* ii(8299):642, 1982.
  143. Knaus, W. A., Zimmerman, J. E., Wagner, D. P., et al., "APACHE-Acute Physiology and Chronic Health Evaluation: A Physiologically Based Classification System," *Crit. Care Med.* 9:591, 1981.
  144. Knaus, W. A., Wagner, D. P., Draper, E. A., et al., "The Range of Intensive Care Services Today," *J. A.M.A.* 246(23):2711, 1981.
  145. Kornfeld, D. S., "Psychiatric View of the Intensive Care Unit," *Brit. Med. J.* 1:108, 1969.
  146. LeGall, J. R., Brun-Buisson, C., Trunet, P., et al., "Influence of Age, Previous Health Status, and Severity of Acute Illness on Outcome From Intensive Care," *Crit. Care Med.* 10(9):575, 1982.
  147. Lepore, M. J., and Grace, W. J., "Role of the Intensive Care Unit in Gastroenterology," *Am. J. Gastro.* 51:493, 1969.
  148. Levenson, S. A., List, N. D., and Zaw-Win, B., "Ethical Considerations in Critical and Terminal Illness in the Elderly," *J. Am. Geriatr. Soc.* 29:563, 1981.
  149. Levy, D. E., Bates, D., Cardonna, J. J., et al., "Prognosis in Nontraumatic Coma," *Ann. Intern. Med.* 94:293, 1981.
  150. Lidz, C. W., Meisel, A., Osterweis, M., et al., "Barriers to Informed Consent," *Ann. Intern. Med.* 99:539, 1983.
  151. Linn, B. S., "Costs of Inpatient Burn Care," in *Critical Issues in Medical Technology*, B. J. McNeil and E. G. Cravalho (eds.) (Boston, MA: Auburn House Publishing Co., 1982).
  152. Lo, B., and Jensen, A. R., "Clinical Decisions To Limit Treatment," *Ann. Intern. Med.* 93:764, 1980.
  153. Maloney, T. W., and Rogers, D. E., "Medical Technology—A Different View of the Contentious Debate Over Costs," *N.Engl.J. Med.* 301(26): 1413, 1979.
  154. Massachusetts General Hospital, Critical Care Committee, "Optimum Care for Hopelessly Ill Patients," *N. Engl. J. Med.* 295(7):362, 1976.
  155. McCleave, D. J., Gilligan, J. E., and Worthley, L. I. G., "The Role and Function of an Australian Intensive Care Unit," *Crit. Care Med.* 5(5):245, 1977.
  156. McKegney, F. P., "The Intensive Care Syndrome: The Definition, Treatment and Prevention of a New Disease of Medical Progress," *Corm. Med.* 30(9):633, 1966.
  157. McNeil, B. J., and Hanley, J. A., "Statistical Ap-

- preaches to Clinical Predictions," editorial, *N. Engl. J. Med.* 304(21):1292, 1981.
158. McPeck, B., Gilbert, J. P., and Mosteller, F., "The Clinician's Responsibility for Helping To Improve the Treatment of Tomorrow's Patients," *N. Engl. J. Med.* 302(11):630, 1980.
  159. Mechanic, D., "Approaches To Controlling the Costs of Medical Care: Short-Range and Long-Range Alternatives," *N. Engl. J. Med.* 298(5):249, 1978.
  160. Micetich, K. C., Steinecker, P. H., and Thomasma, D. C., "Are Intravenous Fluids Morally Required for a Dying Patient?" *Arch. Intern. Med.* 143:975, 1983.
  161. Moore, F. D., and Zook, C. J., "High-Cost Users of Medical Care," *N. Engl. J. Med.* 302(18):996, 1980.
  162. Morgan, A., Daly, C., and Murawski, B. J., "Dollar and Human Costs of Intensive Care," *J. %rg. Res.* 14(5):441, 1973.
  163. Mulley, A. G., Thibault, G. E., Hughes, R. A., et al., "The Course of Patients With Suspected Myocardial Infarction: The Identification of Low-Risk Patients for Early Transfer From Intensive Care," *N. Engl. J. Med.* 302(17):943, 1980.
  164. Murata, G. H., and Ellrodt, A. G., "Medical Intensive Care in a Community Teaching Hospital," *West. J. Med.* 136(5):462, 1982.
  165. Myers, L. P., and Schroeder, S. A., "Physician Use of Services for the Hospitalized Patient: A Review, With Implications for Cost Containment," *Milbank Mere. Fund Q./Health & Society* 59:481, 1981.
  166. Myers, L. P., Schroeder, S. A., Chapman, S. A., et al., "What's So Special About Special Care?" *Inquiry* 21:113, 1984.
  167. Nadelson, T., "Psychiatric Aspects of Intensive Care of Critically Ill Patients," in *Intensive Care*, J. J. Skillman (ed.) (Boston: Little, Brown & Co., 1975).
  168. Nahum, L. H., "Madness in the Recovery Room From Open-Heart Surgery, or 'They Keep Waking Me Up,'" editorial, *Corm. Med.* 29:771, 1965.
  169. Nelson, H., "Life-Support Court Edict Leaves Physicians Cautious," *Los Angeles Times*, Oct. 31, 1983.
  170. Nelson, L., "Questions of Age—Doctors Debate Right to Stop 'Heroic' Effort to Keep Elderly Alive," *The Wall Street Journal*, Sept. 7:1(col 1), 1982.
  171. *New York Times*, Oct. 14, 1983, p. B5.
  172. Nightingale, F., *Notes on Hospitals*, 3d ed. Longman, Green, Longman, Roberts & Green, p. 89, 1863.
  173. Northey, D., Adess, M. L., Hartsuck, J. M., et al., "Microbial Surveillance in a Surgical Intensive Care Unit," *Surgery* 139:321, 1974.
  174. Nunn, J. F., Milledge, J. S., Singaraya, J., "Survival of Patients Ventilated in an Intensive Therapy Unit," *Brit. Med. J.* 1:1525, 1979.
  175. Parno, J. R., Teres, D., Lemeshow, S., et al., "Hospital Charges and Long-Term Survival of ICU Versus Non-ICU Patients," *Crit. Care Med.* 10(9):569, 1982.
  176. Parrillo, J. E., and Ayres, S. M. (eds.), *Major Issues in Critical Care Medicine* (Baltimore, MD: Williams & Wilkins, 1984).
  177. Pearlman, R. A., Inui, T. S., and Carter, W. B., "Variability in Physician Bioethical Decision-Making: A Case Study of Euthanasia," *Ann. Intern. Med.* 97:420, 1982.
  178. Pessi, T. T., "Experiences Gained in Intensive Care of Surgical Patients: A Prospective Clinical Study of 1,003. Consecutively Treated Patients in a Surgical Intensive Care Unit," *Ann. Chir. Gynecol. Fenn.* 62: Suppl. 185:3, 1973.
  179. Petty, T. L., "Don't Just Do Something—Stand There," *Arch. Intern. Med.* 139:920, 1979.
  180. Petty, T. L., and Nett, L. M., "The Respiratory Care Department," in *Intensive & Rehabilitative Care*, 2d ed. (Philadelphia: Lea & Febiger, 1974).
  181. Petty, T. L., Lakshminarayan, S., Sahn, S. A., et al., "Intensive Respiratory Care Unit: Review of Ten Years Experience," *J. A.M.A.* 34:233, 1975.
  182. Piettre, A., "Aspects of Economics, Ethics and Civilization," *Intes. Care Med.* 3:253, 1979.
  183. Piper, K. W., and Griner, P. F., "Suicide Attempts With Drug Overdose; Outcomes of Intensive vs. Conventional Floor Care," *Arch. Intern. Med.* 134:703, 1974.
  184. Pitner, S. E., and Mance, C. J., "An Evaluation of Stroke Intensive Care: Results in a Municipal Hospital," *Stroke* 4:737, 1973.
  185. Pius XII, "The Prolongation of Life," *The Pope Speaks*, Vatican City, 1958.
  186. Platt, R., Medical Director of Bronx Municipal Hospital, personal communication, July 8, 1983.
  187. Plunkett, O., comments on Intensive Care Units in section of Anesthetics, *Proc. Roy. Soc. of Med.* 59:1293, 1966.
  188. Policy Analysis Inc., *Evaluation of Effects of Certificate-of-Need Programs*, prepared for the Human Resources Administration, U.S. Department of Health and Human Services, contract No. 231-77-0114, 1981.
  189. Pozen, M. W., D'Agostino, R. B., Mitchell, J. B., et al., "The Usefulness of a Predictive Instrument To Reduce Inappropriate Admissions to the Cor-

- onary Care Unit," *Ann. Intern. Med.* 92:238, 1980.
190. Pozen, M. W., D'Agostino, R. B., Selker, H. P., et al., "A Predictive Instrument To Improve Coronary Care Unit Admission Practices on Acute Ischemic Heart Disease—A Prospective Multi-center Clinical Trial," *N. Engl. J. Med.* 310(120): 1274, 1984.
  191. President's Commission for the Study of Ethical Problems in Medicine and Biomedical and Behavioral Research, *Deciding To Forego Life-Sustaining Treatment: Ethical, Medical, and Legal Issues in Treatment Decisions* (Washington, DC: U.S. Government Printing Office, 1983).
  192. Preston, G. A., Larson, E. L., and Stamm, W. E., "The Effect of Private Isolation Rooms on Patient Care Practice, Colonization and Infection in an Intensive Care Unit," *Am. J. Med.* 70:641, 1981.
  193. Rabkin, M. T., Gillerman, G., and Rice, N. R., "Orders Not To Resuscitate," *N. Engl. J. Med.* 295(7):364, 1976.
  194. Reichel, W., "The Continuity Imperative," editorial, *J. A.M.A.* 246(18):2065, 1981.
  195. Relman, A. S., "Intensive Care Units: Who Needs Them?" *N. Engl. J. Med.* 302(17):965, 1980.
  196. Rescher, N., "The Allocation of Exotic Medical Lifesaving Therapy," *Ethics* 79(3):173, 1969.
  197. Robertson, J. A., "Legal Aspects of Withholding Medical Treatment From Handicapped Children," ch. 22 in *Legal and Ethical Aspects of Treating Critically and Terminally Ill Patients*, A. E. Doudera and J. D. Peters (eds.) (Ann Arbor, MI: Association of University Programs in Health Administration, 1982).
  198. Robin, E. D., "A Critical Look at Critical Care," guest editorial, *Crit. Care Med.* 11(2):144, 1983.
  199. Robinson, D., Abramson, N. S., Grenvik, A., et al., "Medicolegal Standards for Critical Care," *Crit. Care Med.* 8:524, 1980.
  200. Robinson, J. S., comments on Intensive Care Units in Section of Anesthetics, *Proc. Roy. Soc. of Med.* 59:1293, 1966.
  201. Rodman, G. H., Etling, T., Civetta, J. M., et al., "How Accurate Is Clinical Judgment?" *Crit. Care Med.* 6:127 (abstract), 1978.
  202. Roe, B. B., "The UCR Boondoggle: A Death Knell for Private Practice," *N. Engl. J. Med.* 305(1):41-45, July 2, 1981.
  203. Rogers, R. M., Weiler, C., and Ruppenthal, B., "Impact of the Respiratory Intensive Care Unit in Survival of Patients With Acute Respiratory Failure," *Chest* 77:501, 1972.
  204. Rose, H. D., and Babcock, J. B., "Colonization of Intensive Care Unit Patients With Gram-Negative Bacilli," *Am. J. Epidemiol.* 101:495, 1975.
  205. Russell, L. B., "Intensive Care," ch. 3 in *Technology in Hospitals: Medical Advances and Their Diffusion* (Washington, DC: The Brookings Institution, 1979).
  206. Russell, L. B., "The Role of Technology Assessment in Cost Control," in *Critical Issues in Medical Technology*, B. J. McNeil and E. G. Cravalho (eds.) (Boston: Auburn House Publishing Co., 1982).
  207. Safar, P., "The Critical Care Medicine Continuum From Scene to Outcome," ch. 7 in *Major Issues in Critical Care Medicine*, J. E. Parrillo and S. M. Ayres (eds.) (Baltimore, MD: Williams & Wilkins, 1984).
  208. Safar, P., and Grenvik, A., "Critical Care Medicine: Organizing and Staffing Intensive Care Units," *Chest* 59(5):535, 1971.
  209. Safar, P., and Grenvik, A., "Organization and Physician Education in Critical Care Medicine," *Anesthesiology* 47:82, 1977.
  210. Safar, P., Dekornfeld, T. J., Pearson, J. M., et al., "The Intensive Care Unit," *Anesthesia* 16(3): 275, 1961.
  211. Salkever, D. S., and Bice, T. W., "The Impact of Certificate-of-Need Controls on Hospital Investment," *Milbank Mere. Fund Q./Health & Society* 185, 1976.
  212. Sanders, C. A., "Hospital Management of Critical Care—I," presentation at the National Institute of Health Consensus Development Conference, Critical Care Medicine, Mar. 8, 1983.
  213. Schelling, T. C., "The Life You Save May Be Your Own," *Problems in Public Expenditure Analysis*, S. Chase (ed.) (Washington, DC: The Brookings Institution, 1968).
  214. Scheffler, R. M., Knaus, W. A., Wagner, D. P., et al., "Severity of Illness and the Relationship Between Intensive Care and Survival," *Am. J. Publ. Health* 725:449, 1981.
  215. Schmidt, C. D., Elliott, C. G., Carmelli, D., et al., "Prolonged Mechanical Ventilation for Respiratory Failure: A Cost-Benefit Analysis," *Crit. Care Med.* 11(6):407, 1983.
  216. Schoenfeld, M. R., "Terror in the ICU," *Forum* 1:14, 1978.
  217. Schroeder, H. G., "Psycho-Reactive Problems of Intensive Therapy," *Anesthesia* 26(1):28, 1971.
  218. Schroeder, S. A., Showstack, J. A., and Robert, H. E., "Frequency and Clinical Description of High-Cost Patients in 17 Acute-Care Hospitals," *N. Engl. J. Med.* 300:1306, 1979.
  219. Schroeder, S. A., Showstack, J. A., and Schwartz,



- J., "Survival of Adult High-Cost Patients, Report of a Follow-Up Study From Nine Acute-Care Hospitals," ~. *A.M.A.* 245(14):1446, 1981.
220. Schwartz, S., and Cullen, D. J., "How Many Intensive Care Beds Does Your Hospital Need?" *Crit. Care Med.* 9(9):625, 1981.
  221. Shapiro, A. R., "The Evaluation of Clinical Predictions," *N. Engl. J. Med.* 296(26):1509, 1977.
  222. Shoemaker, W. C., "Effectiveness of the Intensive Care Unit for Management of Accidental, Traumatic and Hemorrhagic Shock," ch. 9 in *Major Issues in Critical Care Medicine*, J. E. Parrillo and S. M. Ayers (eds.) (Baltimore, MD: Williams & Wilkins, 1984).
  223. Shoemaker, W. C., Appel, P. L., Bland, R., et al., "Clinical Trial of an Algorithm for Outcome Prediction in Acute Circulatory Failure," *Crit. Care Med.* 10(6):390, 1982.
  224. Shoemaker, W. C., Thompson L., and Holbrook, P. (eds.), *Textbook on Critical Care Medicine* (Philadelphia: W. B. Saunders, 1983).
  225. Shragg, T. A., and Albertson, T. E., "Moral, Ethical and Legal Dilemmas in the Intensive Care Unit," *Crit. Care Med.* 12:62, 1984.
  226. Shubin, H., and Weil, M. H., "Touchstones in Critical Care Medicine—An Introduction," *Crit. Care Med.* 21:281, 1974.
  227. Siegel, J. H., Cerra, F. B., Moody, E. A., et al., "The Effect on Survival of Critically Ill and Injured Patients of ICU Teaching Service Organized About a Computer-Based Physiologic CARE System," *J. Trauma* 20(7):558, 1980.
  228. Siegler, M., "Critical Illness: The Limits of Autonomy," *Hastings Center Report* 7, 1977.
  229. Siegler, M., "Pascal's Wager and the Hanging of Crepe," *N. Engl. J. Med.* 293(17):853, 1975.
  230. Singer, D., Carr, P., Mulley, A., et al., "Rationing Intensive Care—Physician Responses to a Resource Shortage," *N. Engl. J. Med.* 309(19):1155, 1983.
  231. Skidmore, F. D., "A Review of 460 Patients Admitted to the Intensive Therapy Unit of a General Hospital Between 1965 and 1969," *Brit. J. Surg.* 60:1, 1973.
  232. Skillman, J. J. (cd.), *Intensive Care* (Boston: Little, Brown & Co., 1975).
  233. Skillman, J. J., "Terminal Care in Patients With Chronic Lung Disease," *Arch. intern. Med.* 139, 1979.
  234. Smits, H. L., "The PSRO in Perspective," *N. Engl. J. Med.* 305(5):253, 1981.
  235. Snyder, J. V., McGuirk, M., Grenvik, A., et al., "Outcome of Intensive Care—An Application of a Predictive Model," *Crit. Care Med.* 9(8):598, 1981.
  236. Society of Critical Care Medicine, Committee on Training Guidelines, P. M. Winter (Chin.), "Guidelines for Training of Physicians in Critical Care Medicine," *Crit. Care Med.* 1(1):39, 1973.
  237. Soler, N. G., Bennett, M. A., Fitzgerald, M. G., et al., "Intensive Care in the Management of Diabetic Ketoacidosis," *Lancet* 4:951, 1973.
  238. Spagnolo, S. V., Hershberg, P. I., and Zimmerman, H. J., "Medical Intensive Care Unit: Mortality Rate Experience in Large Teaching Hospital," *NY State J. Med.* 73:754, 1973.
  239. Steel, K., Gertman, P. M., Crescenzi, C., et al., "Iatrogenic Illness on a General Medical Service at a University Hospital," *N. Engl. J. Med.* 304(11):638, 1981.
  240. Stoughton, W. V., "Medical Costs and Technology Regulation: The Pivotal Role of Hospitals," in *Critical Issues in Medical Technology*, B. J. McNeil and E. G. Cravallo (eds.) (Boston: Auburn House Publishing Co., 1982).
  241. Sullivan, R., "Court in Jersey Forbids Removing Feeding Tube From Terminally Ill," *New York Times* July 9:1 (col. 1), 1983.
  242. Swan, H. J. C., "Invasive Hemodynamic Monitoring in Critical Care Units," ch. 12 in *Major Issues in Critical Care Medicine*, J. E. Parrillo and S. M. Ayres (eds.) (Baltimore, MD: Williams & Wilkins, 1984).
  243. Tagge, G. F., Adler, D., and Bryan-Brown, C. W., "Relationship of Therapy to Prognosis in Critically Ill Patients," *Crit. Care Med.* 2(2):61, 1974.
  244. Tagge, G. F., Salness, G., Thams, J., et al., "Experience With a Multidisciplinary Critical Care Center in a Community Hospital," *Crit. Care Med.* 3(6):231, 1975.
  245. Tait, M., and Winslow, G., "Beyond Consent: The Ethics of Decision Making in Emergency Medicine," *West. J. Med.* 126(2):156, 1977.
  246. Teplick, R., Caldera, D. L., Gilbert, J. P., et al., "Benefit of Elective Intensive Care Admission After Certain Operations," *Anesth. Analg.* 62:572, 1983.
  247. Teres, D., Brown, R. B., and Lemeshow, S., "Predicting Mortality of Intensive Care Unit Patients: The Importance of Coma," *Crit. Care Med.* 10(2):86, 1982.
  248. Thibault, G. E., "The Medical Intensive Care Unit: A Five-Year Perspective," ch. 2 in *Major Issues in Critical Care Medicine*, J. E. Parrillo and S. M. Ayers (eds.) (Baltimore, MD: Williams & Wilkins, 1984).
  249. Thibault, G. E., Mulley, A. G., Barnett, C. O., et al., "Medical Intensive Care: Indications, Interventions, and Outcomes," *N. Engl. J. Med.* 302(17):938, 1980.
  250. Thomas, L., "Notes of a Biology-Watcher: The

- Technology of Medicine," *N. Engl. J. Med.* **285(24): 1366**, 1971.
251. Tomlin, P. J., "Intensive Care—Medical Audit," *Anesthesia* **33:710**, 1978.
  252. Turnbull, A. D., Carlon, G., Baron, R., et al., "The Inverse Relationship Between Cost and Survival in the Critically Ill Cancer Patients," *Crit. Care Med.* **7(1):20**, 1979.
  253. Turnbull, A. D., Goldmeir, P., Silverman, D., et al., "The Role of an Intensive Care Unit in a Cancer Center: An Analysis of 1035 Critically Ill Patients Treated for Life-Threatening Complications," editorial, *Cancer* **37:82**, 1976.
  254. U.S. Congress, Office of Technology Assessment, *Diagnosis Related Groups (DRGs) and the Medicare Program: Implications for Medical Technology*, OTA-TM-H-17 (Washington, DC: U.S. Government Printing Office, July 1983).
  255. U.S. Congress, Office of Technology Assessment, *Health Technology Case Study #24: Variations in Hospital Length of Stay: Their Relationship to Health Outcomes*, OTA-HCS-24 (Washington, DC: U.S. Government Printing Office, August 1983).
  256. U.S. Congress, Office of Technology Assessment, *The Implications of Cost-Effectiveness Analysis of Medical Technology*, OTA-H-126 (Washington, DC: U.S. Government Printing Office, August 1980).
  257. U.S. Congress, Office of Technology Assessment, *Medical Technology and Costs of the Medicare Program*, OTA-H-227 (Washington, DC: U.S. Government Printing Office, July 1984).
  258. U.S. Department of Commerce, Bureau of the Census, *State and Metropolitan Area Data Book 1982* (Washington, DC: U.S. Department of Commerce, 1982).
  259. U.S. Department of Health and Human Services, Health Care Financing Administration, Office of Research and Demonstration, Bureau of Data Management and Strategy, "List of Diagnosis Related Groups (DRGs) With Relative Values, Average Length of Stay (ALOS), and Percent of Adjusted Charges Per Discharge for Ancillary Services," 1979 data.
  260. U.S. Department of Health and Human Services, Health Care Financing Administration, Office of Research and Demonstration, Bureau of Data Management and Strategy, "Routine and Special Care Arithmetic Mean Length of Stay for Outlier and Non-Outlier Cases," Oct. 27, 1983.
  261. U.S. Department of Health and Human Services, Health Care Financing Administration, Office of Research and Demonstration, Bureau of Data Management and Strategy, "20 Percent Sample Discharges by Diagnosis Related Group Adjusted Sample," June 21, 1983.
  262. U.S. Department of Health and Human Services, National Institutes of Health, Consensus Development Conference Statement, "Critical Care Medicine," Mar. 7-9, 1983.
  263. U.S. Department of Health and Human Services, National Institutes of Health, Consensus Development Conference statement, "Supportive Therapy in Burn Care," Nov. 10-11, 1978.
  264. U.S. Department of Health and Human Services, *Report to Congress: Hospital Prospective Payment for Medicare* (Washington, DC: U.S. Department of Health and Human Services, December 1982).
  265. Vanholder, R., and Colardyn, F., "Prognosis of Intensive Care Patients: Correlation of Diagnosis and Complications to Patient Outcome," *Acta Clinica Belgica* **35(5):279**, 1980.
  266. Veatch, R. M., *A Theory of Medical Ethics* (New York: Basic Books, 1981).
  267. Wagner, D. P., "National Costs of Intensive Care," unpublished manuscript, undated.
  268. Wagner, D. P., Knaus, W. A., and Draper, E. A., "Case Mix, Resource Costs, and Severity of Illness," unpublished manuscript draft, 1983.
  269. Wagner, D. P., Knaus, W. A., Draper, E. A., et al., "Identification of Low-Risk Monitor Patients Within a Medical-Surgical Intensive Care Unit," *Medical Care* **21:425**, 1983.
  270. Wagner, D. P., Knaus, W. A., and Draper, E. A., "Statistical Validation of a Severity of Illness Measure," *Am. J. Pub. Health* **73(8):879**, 1983.
  271. Wagner, D. P., Wineland, T. D., and Knaus, W. A., "The Hidden Costs of Treating Severely Ill Patients: Charges and Resource Consumption in an Intensive Care Unit," *Health Care Finan. Rev.* **5(1):81**, 1983.
  272. Wallace-Barnhill, G. L., Roth, M. D., Armstrong, C. J., et al., "Health Care Law Update: Legal Protection for Critical Care Physicians: State of the Art in Termination of Life Support and Living Will Legislation," *Crit. Care Med.* **12:56**, 1984.
  273. Wanzer, S. H., Adelstein, S. J., Cranford, R. E., et al., "The Physician's Responsibility Toward Hopelessly Ill Patients," *N. Engl. J. Med.* **310(7): 455**, 1984.
  274. Weil, M. H., "The Society of Critical Care Medicine, Its History and Its Destiny," *Crit. Care Med.* **1(1):1**, 1973.
  275. Weil, M. H., and Rackow, E. C., "Critical Care

- Medicine—Caveat Emptor,” *Arch. Intern. Med.* 143:1391, 1983.
- 276< Weinberg, S. L., “Intermediate Coronary Care: Observations on the Validity of the Concept,” *Chest* 73:154, 1978.
- 277< Weinstein, M. C., and Fineberg, H. V., *Clinical Decision Analysis* (Philadelphia: W. B. Saunders, 1980).
278. Weiser, B., “AS They Lay Dying,” *Washington Post* [Apr. 17: Part I, 1 (col. 1), 1983; Apr. 18: Part II, 1 (col. 2), 1983; Apr. 19: Part III, 1 (col. 1), 1983; Apr. 20: Part IV, 1 (col. 4), 1983; Apr. 21: Part V, 1 (col. 5), 1983. ]
279. Williams, S. V., “Can Randomized Trials of Intensive Care Meet Ethical Standards?” in *Critical Issues in Medical Technology*, B. J. McNeil and E. G. Cravalho (eds. ) (Boston: Auburn House Publishing Co., 1982).
280. Wilson, J. B., “Medical Dilemmas in Terminal Care,” in *Death by Decision* (Philadelphia: Westminster Press, 1975).
281. Wilson, R. F., “Development and Cost Effectiveness of Surgical Intensive Care Units,” in *Crit. Care Med.*, program abstract from the National Health Institute of Health Consensus Development Conference, Mar. 8, 1983.
282. Young, W. R., “It’s a Miracle That We Save Any of Them,” *Life Magazine*, Dec. 2, 1966.
283. Zimmerman, J. E., “Administrative Structure of a Critical Care Unit,” ch. 25 in *Major Issues in Critical Care Medicine*, J. E. Parrillo and S. M. Ayers (eds.) (Baltimore, MD: Williams & Wilkins, 1984).