References

1. DeWys WD, Begg C, Lavin PT, Band PR, Bennett JM, Bertino JR, Cohen MH, et al. Prognostic effect of weight loss prior to chemotherapy in cancer patients. Eastern Cooperative Oncology Group. Am J Med 1980;69:491-497.
2. Stanley KE. Prognostic factors for survival in patients with inoperable lung cancer. J Natl Cancer Inst 1980;65:25-32.
3. Lundholm K, Bennegard K, Eden E, Svaninger G, Emery PW, Rennie MJ. Efflux of 3-methylhistidine from the leg in cancer patients who experience weight loss. Cancer Res 1982;42:4807-4811.
4. Heber D, Chlebowski RT, Ishibashi DE, Herrold JN, Block JB. Abnormalities in glucose and protein metabolism in noncachectic lung cancer patients. Cancer Res 1982;42:4815-4819.
5. Koea JB, Shaw JH. The effect of tumor bulk on the metabolic response to cancer. Ann Surg 1992;215:282-288.
6. Tayek JA, Katz J. Glucose production, recycling, Cori cycle, and gluconeogenesis in humans: relationship to serum cortisol. Am J Physiol 1997;272:E476-E484.
7. Holroyde CP, Gabuzda TG, Putnam RC, Paul P, Reichard GA. Altered glucose metabolism in metastatic carcinoma. Cancer Res 1975;35:3710-3714.
8. Tsuburaya A, Blumberg D, Burt M, Brennan MF. Energy depletion in the liver and in isolated hepatocytes of tumor-bearing animals. J Surg Res 1995;59:421-427.
9. Dagnelie PC, Bell JD, Williams SC, Bates TE, Abel PD, Foster CS. Altered phosphorylation status, phospholipid metabolism and gluconeogenesis in the host liver of rats with prostate cancer: a ^{31}P magnetic resonance spectroscopy study. Br J Cancer 1993;67:1303-1309.
10. Schneeberger AL, Thompson RT, Driedger AA, Finley RJ, Inculet RI. Effect of cancer on the in vivo energy state of rat liver and skeletal muscle. Cancer Res 1989;49:1160-1164.
11. Brauer M, Inculet RI, Bhatnagar G, Marsh GD, Driedger AA, Thompson RT. Insulin protects against hepatic bioenergetic deterioration induced by cancer cachexia: an in vivo ^{31}P magnetic resonance spectroscopy study. Cancer Res 1994;54:6383-6386.
12. Argiles JM, Lopez-Soriano FJ. The energy state of tumor-bearing rats. J Biol Chem 1991;266:2978-2982.
13. Gehman KE, Inculet RI, Brauer M, Marsh GD, Driedger AA, Thompson RT. Early detection of cancer cachexia in the rat using ^{31}P magnetic resonance spectroscopy of the liver and a fructose stress test. NMR Biomed 1996;9:271-275.
14. Dagnelie PC, Sijens PE, Kraus DJ, Planting AS, van Dijk P. Abnormal liver metabolism in cancer patients detected by (31)P MR spectroscopy. NMR Biomed 1999;12:535-544.
15. Leij-Halfwerk S, Dagnelie PC, Kappert P, Oudkerk M, Sijens PE. Decreased energy and phosphorylation status in the liver of lung cancer patients with weight loss. J Hepatol 2000;32:887-892.
16. Rapaport E, Fontaine J. Generation of extracellular ATP in blood and its mediated inhibition of host weight loss in tumor-bearing mice. Biochem Pharmacol 1989;38:4261-4299.
17. Haskell CM, Mendoza E, Pisters KM, Fossella FV, Figlin RA. Phase II study of intravenous adenosine 5'-triphosphate in patients with previously untreated stage IIIB and stage IV non-small cell lung cancer. Invest New Drugs 1998;16:81-85.
18. Agteresch HJ, Dagnelie PC, van der Gaast A, Stijnen T, Wilson JH. Randomized clinical trial of adenosine 5'-triphosphate in patients with advanced non-small-cell lung cancer. J Natl Cancer Inst 2000; 92:321-328.
19. Agteresch HJ, Dagnelie PC, Rietveld T, van den Berg JW, Danser AH, Wilson JH. Pharmacokinetics of intravenous ATP in cancer patients. Eur J Clin Pharmacol 2000;56:49-55.
20. Sijens PE, Van Dijk P, Dagnelie PC, Oudkerk M. Non-T1-weighted ^{31}P chemical shift imaging of the human liver. Magn Reson Imaging 1995;13:621-628.
21. Sijens PE, Dagnelie PC, Halfwerk S, van Dijk P, Wicklow K, Oudkerk M. Understanding the discrepancies between ^{31}P MR spectroscopy assessed liver metabolite concentrations from different institutions. Magn Reson Imaging 1998;16:205-211.
22. Hultman E, Nilsson LH, Sahlin K. Adenine nucleotide content of human liver. Normal values and fructose-induced depletion. Scand J Clin Lab Invest 1975;35:245-251.
23. Bode JC, Zelder O, Rumpelt HJ, Wittkamp U. Depletion of liver adenosine phosphates and metabolic effects of intravenous infusion of fructose or sorbitol in man and in the rat. Eur J Clin Invest 1973; 3:436-441.
24. Torrance JD, Whittaker D. Distribution of erythrocyte nucleotides in pyrimidine 5'-nucleotidase deficiency. Br J Haematol 1979;43: 423-434.
25. De Korte D, Haverkort WA, Van Gennip AH, Roos D. Nucleotide profiles of normal human blood cells determined by high-performance liquid chromatography. Anal Biochem 1985;147:197-209.
26. Werner A, Siems W, Schmidt H, Rapoport I, Gerber G, Toguzov RT, Tikhonov YV, et al. Determination of nucleotides, nucleosides and nucleobases in cells of different complexity by reversed-phase and ion-pair high-performance liquid chromatography. J Chromatogr 1987;421:257-265.
27. Goresky CA, Schwab AJ, Pang KS. Kinetic models of hepatic transport at the organ level. In: Tavoloni N, Berk PD, eds. Hepatic transport and bile secretion; physiology and pathophysiology. New York: Raven Press, 1993:11-39.
28. Rongen GA, Smits P, Thien T. Characterization of adenosine-5'-triphosphate (ATP)-induced vasodilation in the human forearm vascular bed. Circulation 1994;90:1891-1898.
29. Agteresch HJ, Dagnelie PC, van den Berg JWO, Wilson JHP. Adenosine Triphosphate: established and potential clinical applications. Drugs 1999;58:211-232.
30. Kennedy C, Burnstock G. ATP produces vasodilation via P1 purinoceptors and vasoconstriction via P2 purinoceptors in the isolated rabbit central ear artery. Blood Vessels 1985;22:145-155.
31. Boeynaems JM, Pearson JD. P2 purinoceptors on vascular endothelial cells: physiological significance and transduction mechanisms. Trends Pharmacol Sci 1990;11:34-37.
32. Okuda M, Muneyuki M, Nakashima K, Sogabe T, Miura I. In vivo ^{31}P-NMR studies on energy metabolism in and catecholamine effect on rat liver during hypovolemic shock. Biochem Int 1987;15:1089-1095.
33. Froelich JW, Strauss HW, Moore RH, McKusick KA. Redistribution of visceral blood volume in upright exercise in healthy volunteers. J Nucl Med 1988;29:1714-1718.
34. Baccelli G, Pacenti P, Terrani S, Checchini M, Riglietti G, Prestipino F, Omboni E, et al. Scintigraphic recording of blood volume shifts. J Nucl Med 1995;36:2022-2031.