

||

B

I

B

L

I

O

G

R

A

P

H

Y

||

BIBLIOGRAPHY

Abramovich, D.R. (1969).

The weight of placenta and membranes in early pregnancy.

Jr. Obstet. Gynecol. Brit. Commonwealth, 76 : 523-526.

Achar, S.T. and Yankauer, A. (1962)

Study on the birth weight of south Indian infants.

Ind. J. Child. Health, 11 : 157-167.

Adair, L.S., Pollitt, E. and Mueller, W.H. (1984).

The Bacon-Chow study : Effect of nutritional supplementation on maternal weight and skin fold thickness during pregnancy and nutrition. Br. J. Nutr., 51, 3, 357-369.

Adams, S.O., Barr, G.D. and Huenemann, R.L. (1978)

Effect of nutritional supplementation in pregnancy.

1. Outcome of pregnancy. J. Am. Dietet. Assoc. 72, 144-147.

Ademowore, A.S., Courey, N.G. and Kime, J.S. (1972).

Relationships of maternal nutrition and weight gain to newborn birth weight. Obstet. Gynecol., 39 : 460.

Ahmed, S.H., Amir, H., Ansari, Z. and Ahmed, K.N. (1983).

Influence of maternal iron deficiency anemia on the fetal total body iron. Ind. Pediatr., 20, 643-646.

Aiyar, R.R. (1972). Clinical observations on small-for-date babies. Proc. Nutr. Soc. India, No.11, 16-20.

Alvarez, A.P. and Salvatierra, M.V. (1974).

Fetal hemoglobin as related to the duration of pregnancy and the newborn's weight. Acta Ginec. 25, 649-658.

A.O.A.C. (1955). Official methods of analysis of the Association of official Agricultural Chemists, Ed. Wilham Hortisz, Association of Official Agricultural Chemists, Washington, D.C. pp. 99-101. 250

Andelman, M.B. and Sered, B.R. (1966).

Utilization of dietary iron by term infants.

Am. J. Dis. Child. 111 : 45.

Ankegowda, K. and Sumitra Devi, M.S. (1976)

Birth weight in relation to maternal nutrition.

Ind. Pediatr. 13, 283-286.

Antonov, A.M. (1947). Children born during the siege of Leningard in 1942. J. Pediatr. 30, 3, 250-259.

Apte, S.V. and Iyengar (1972).

Composition of the human foetus. Br. J. Nutr. 27, 305-312.

Arockiadass, S. (1982). Studies on rat intestinal lipids with special reference to nutritional deficiencies.

Ph.D. thesis, M.S. University of Baroda, Baroda, India.

Arora, S., Rao, R.N. and Rao, M.V. (1963).

Birth weights of infants in low economic groups in Bombay.

Ind. J. Child Health. 12, 612-623.

Atomic Absorption spectroscopy using Perkin-Elmer atomic absorption spectrometer and an air-acetylene gas mixture (Model 373).

Bagchi, K. and Bose, A.K. (1962).

Effect of low nutrient intake during pregnancy on obstetrical performance and offspring. Am. J. Clin. Nutr., 11, 586-592.

Baldwin, D., Robinson, P.K., Zierier, K.L. and Lilienthal, J.L. (1952). Interactions of magnesium, potassium, phosphorus and creatine in skeletal muscle of man.

J. Clin. Invest. 31, 350.

- Balfour, W.M., Hann, P.F., Bale, W.F., Pommerenke, W.T. and Whipple, G.H. (1942). Radioactive iron absorption in clinical conditions, normal pregnancy, anemia and hemochromatosis. *J. Exptl. Med.* 76, 15-30.
- Banik, N.D.D., Krishna, R., Mane, S.I.S. and Lila Raj (1967). A study of birth weight of Indian infants and its relationship to sex, period of gestation, maternal age, parity and socio-economic classes. *Ind. J. Med. Res.*, 55, 1378-1385.
- Banik, N.D.D. and Saha, K. (1975). Factors related to perinatal mortality. *Ind. J. Pediatr.* 42, 310-315.
- Barac-Nieto, M., Spurr, G.D., Maksud, M.G. and Lotero, H. (1978). Aerobic work capacity in chronically under-nourished adult males. *J. Appl. Physiol. Respirat. Environ. Exercise Physiol.* 44, 209-215.
- Barcroft, J. (1946). *Researches on prenatal life.* Oxford : Blackwell, 52.
- Basu, A.K. and Puri, R.K. (1963). Relation of some maternal factors to birth weights of offspring. *Ind. J. Child Health.* 12, 233-240.
- Bartlid, D. and Moe, A.J. (1980). Hemoglobin and serum ferritin levels in mothers and infants at birth. *Eur. J. Pediatr.* 134, 125-127.
- Beal, V.S. (1980). *Nutrition in the life span.* New York John Wiley and Sons.

- Beaton, G.H. (1960). Nutrition in maternal and infant feeding. Panel IV Proc. 5th Int. Cong. Nutr., Washington, D.C.
- Beaton, G. (1961). Nutritional and physiological adaptation in pregnancy. Fed. Proc. 20, 1 (Supplement No.7) 200.
- Beilby, J.S. and Kurland, I.I. (1945). Relationship of maternal weight gain of newborn infant. Am. J. Obstet. Gynecol. 50 : 202.
- Benitez-Fierro, R., Marcelo, C., Estrella, E., Ignacio, R., Ecuador, Q. and Stanbury, J. (1978). Protein calorie malnutrition and ~~the~~ iodine deficiency : Effects on mental development, language and audition. In 'Nutrition in transition' - Proceedings Western Hemisphere Nutrition Congress, V. Ed. White, P.L. and Selvey, N. The American Medical Association Press, U.S.A.
- Bergner, L. and Susser, M. (1970). Low birth weight and prenatal nutrition : an interpretation review. Pediatrics 46, 946-965.
- Berry, C. (1955). Brit. Med. J. 2, 819. Cf: Hillman, R.W. and Hall, E.J. (1964). In : 'Modern nutrition in health and disease.' Eds. M.G. Wohl and R.S. Goodhart, Lea and Febiger, Philadelphia.
- Bertrand, F.M. (1968). The relationship of prolonged breast-feeding to facial features. Central African Journal of Medicine. 14 : 226-227.

Bezold, A., Von (1857).

Z. Wiss, Zool. 8, 487. Cf: Widdowson, E.M. and
(1960)
Dickerson, J.W.T. The effect of growth and function
on the chemical composition of soft tissues.

Biochem. J. 77, 30-43.

Bezudova, W.R., Bothwell, T.H., Torrance, J.D., Macphail,
A.P., Charlton, R.W., Kay, G. and Levin, J. (1979).

The relationship between marrow iron stores, plasma
ferritin concentration and iron absorption.

Scand. J. Haematol. 22 : 113.

Bhalla, J.N., Rohatgi, P. and Bhalla, M. (1974).

Relation to birth spacing with birth weight, morbidity
and mortality of the newborn. Ind. J. Pediatr.

41, 299-303.

Bhatia, B.D., Bhargava, V., Chatterjee, M., Kota, V.L.N.,
Singh, L.I. and Jain, N.P. (1981).

Studies on fetal growth patterns : IUG percentiles for
singleton live born babies. Ind. Pediatr., 18, 200-204.

Bhatt, R.V., Joshi, S.K. and Gurav, R.S. (1969).

Hemoglobin curves from birth to one year of life in
infants of normal and anemic mothers.

J. Obstet. Gynec. India. 19, 94-97.

Bhatt, R.V., Joshi, S.K., Gurav, R.S., Ratna, H.S. and
Pandya, M.R. (1972).

Pattern of weight gain in normal pregnancy.

J. Obstet. Gynec. India. 22, 631-635.

Bhatt, R.V. (1982).

Fetal growth in mid-trimester. Baroda J. Nutr.
9, 52-54.

Birch, H.G., Richardson, S.A., Baird, D., Horbin, G. and
Illstey, R. (1970).

Mental subnormality in the community. A clinical
and epidemiologic study. Williams and Wilkins,
Baltimore.

Birkbeek, J.A., Billewicz, W.Z. and Thomson, A.M. (1975).

Human fetal measurements between 50 and 150 days of
gestation in relation to crown heel length.

Annals Human Biol. 2, 173-178.

Blackwell, R.W., Chow, B.F. and Chinn, K.S.K. (1973).

Prospective maternal nutrition study in Taiwan :
rationale, study design, feasibility and preliminary
findings. Nutr. Rep. Internat. 7, 517-532.

Bogden, J.D., Thind, I.J., Louria, D.B. and Caterini, H.

(1978). Maternal and cord blood metal concentrations
and low birth weight a case-control study.

Am. J. Clin. Nutr. 31 : 1181-1187.

Bothwell, T.H., Pribeller, W.F., Meust, W. and Finch, C.A.

(1958). Iron metabolism in the pregnant rabbit.

Iron transport across the placenta.

Am. J. Physiol. 193, 615-622.

Bothwell, T.H. and Finch, C.A. (1962).

Iron metabolism. J. and A. Churchill, London.

Bothwell, T.H. (1966).

The diagnosis of iron deficiency. New Zealand Med. J. 65 : 680. Cf: Loria, A., Sanchez, Medal, L., Arroyo, P.J., Londawrsier, E., Piedras, J. and Casanueva, E. Nutritional Anemia VIII. Hemoglobin and plasma iron in infants treated prenatally with iron. Nutr. Rep. Internat. 1979; 19, 451-461.

Brasel, J. and Winick, M. (1970).

Differential cellular growth in the organs of hypothyroid rats. Growth 34, 197.

Broad, F.E. (1972a).

The effects of infant feeding on speech quality. New Zealand Med. J. 76, 28-31.

Broad, F.E. (1972b).

Suckling and speech. Parents centres Bulletin. Upper Hutt. N.Z. 53 : 4-6.

Broad, F.E. (1975).

Further studies on the effects of infants feeding on speech quality. New Zealand Med. J. 82, 373-376.

Brown, A.C. (1962). Microvilli of human jejunal epithelial cells. J. Cell Biol., 12, 623-627.

Brozek, J., Coursin, D.B. and Read, M.S. (1977).

Longitudinal studies on the effects of malnutrition, supplementation and behavioral stimulation. Bull. Pan American Health Organization, 11, 237-249.

Bruckmann, G. and Zondek, S.G. (1939).

Iron, copper and manganese in human organs at various ages. *Biochem. J.* 33, 1845-1857.

Buck, D.R. and Bales, J. (1983).

Maternal dietary magnesium effects on lactation success and on milk yield and composition in the rat.

J. Nutr. 113, 2421-2431.

Burke, B.S. (1948).

Obstet. Gynec. Survey, Baltim. 3, No.5.

Cf: Giroud, A. (1959). The nutritional requirements of embryo and the repercussion of deficiencies.

Wld. Rev. Nutr. Dietet. 1, 233-263.

Butler, N. (1972).

Late postnatal consequences of fetal malnutrition.

In 'Current concepts in nutrition'. Ed. M. Winick,

Vol. II, Wiley Interscience, New York.

Caddell, J.L. (1965).

Magnesium in protein calorie malnutrition.

J. Pediatr. 66, 392-413.

Caddell, J.L., Ratananon, N. and Trongratapit, P. (1973).

Parenteral magnesium load tests in post partum Thai

women. *Am. J. Clin. Nutr.* 26, 612-616.

Caddell, J.L., Saier, F.L. and Thomason, C.A. (1975).

Parenteral magnesium load tests in postpartum American

women. *Am. J. Clin. Nutr.* 28, 1099-1104.

Calloway, D.H. (1974).

Nitrogen balance during pregnancy. In : 'Nutrition and fetal development.' Ed. M. Winick. John Wiley and Sons, New York, pp. 77-94.

Campbell, S. (1970).

Ultrasonic fetal cephalometry during second trimester of pregnancy. J. Obstet. Gynecol. Brit. Commonwealth. 77, 1057-1063.

Campbell, S. and Thomas, A. (1977).

Ultrasound measurements of the fetal head to abdomen circumference ratio in the assessment of growth retardation. Brit. Obstet. Gynecol. 84, 165-174.

Campogrande, M., Todros, T. and Brizzolara, M. (1977).

Prediction of birth weight by ultrasound measurements of the fetus. Brit. Obstet. Gynecol. 84, 175-178.

Carvalho, D. and Daptary, V.G. (1959).

Calcium and phosphorus in maternal blood during pregnancy. Ind. J. Med. Sci. 13, 110.

Cavill, J., Fenton, V. and Fisher, J. (1977).

Iron stores in pregnancy. Brit. J. Haematology. 37, 145-149.

Cawley, R.H., McKeown, T. and Record, R.G. (1954).

Parental stature and birth weight. Am. J. Genet. 6, 448.

Charley, P. and Saltman, P. (1960).

Fed. Proc., 19, 248. Cf: Beaton, G.H. (1960).
Proc. 5th Internat. Congress of Nutr. Panel IV,
Washington, D.C.

Chavez, A. and Martinez, C. (1974).

Nutrition and development of infants from poor rural areas and maternal nutrition and its consequences on fertility. Paper presented at Am. Assoc. Advancement of Science. Atlantic City, April, 1974. Cited in Am. J. Obstet, Gynecol. (1975). 123, 682.

Claire, B., Sigman, M., Parmalee, A.H. and Jeffrey, W.E. (1975). Developmental Psychobiology. 8, 165.

Clements, F.W. (1960).

Health significance of endemic goitre and related conditions. WHO Monograph Series, 44, 245-260.

Cockburla, F., Belton, N.R., Purvis, R.J., Giles, M.M. Brown, J.K., Turner, T.L., Wilkinson, E.M., Forfar, J.O., Barriew, J.M., Mckay, G.S. and PoCock, S.J. (1980). Maternal vitamin D intake and their newborn infants. Brit. Med. J. 281, 11-14.

Cohlan, S.G., Jansen, V., Dancis, J., Piomelli, S. (1970).

Microcytic anemia with erythroblastosis in the offspring of magnesium deprived rats. Blood, 36 : 500-506.

Colaneri, C.S.L. and Correa, C.H. (1977).

Fetal growth curve in Sao Paulo. Pediatr. Pratica. 48, 78-84.

Comney, J.O.O. and Fitzhardinge, P.M. (1979).

Handicap in the preterm small-for-gestational age infant. J. Pediatr. 94, 779-786.

Committee on Nutrition (1976).

American Academy of Pediatrics. Iron supplementation for infants. *Pediatrics*. 58, 765.

Conway, E.J. and Hingerty, D. (1946).

Influence of adrenalectomy on muscle constituents.

Biochem. J. 40, 561.

Cook, L.N. (1977).

Intrauterine and extrauterine recognition and management of deviant fetal growth.

Pediatr. Clin. North Am. 24, 431.

Cortiol, C. and Lezine, I. (1974).

Early child development and care, 3, 211.

Cf: Rajalakshmi, R. and Ramakrishnan, C.V. (1980)

Malnutrition and fetal development. *Applied Nutrition*.

8, 19-29.

Cotlove, E., Holliday, M.A., Schwartz, R. and Wallace, W.M.

(1957). Effects of electrolyte depletion and acid-base disturbance on muscle cations.

Am. J. Physiol. 167, 665.

Cravioto, J. (1966).

Malnutrition and behavioral development in the pre-school child. In : Publication No. 1282 (National Academy of Sciences and National Research Council) : *Pre-school child malnutrition : Primary deterrent to human progress*. Proc. Int. Conf. Prevention of malnutrition in the pre-school child, Washington, 1964, pp. 74-84 (Academy of Sciences, Washington, 1966).

Culley, W.J., Yuan, L. and Mertz, E.T. (1966).

Effect of food restriction and age on rat brain
phospholipid level. Fed. Proc. 25, 674.

Dallman, P.R. and Siimes, M.A. (1979).

Pecentile curves for hemoglobin and red cell volume
in infancy and childhood.

J. Pediatr. 94, 26.

Dallman, P.R., Siimes, M.A. and Sketel, A. (1980).

Iron deficiency in infancy and childhood.

Am. J. Clin. Nutr., 38, 86-118.

Dancis, J., Springer, D. and Cohlman, S.Q. (1971).

Fetal homeostasis in maternal malnutrition. Magnesium
deprivation. Pediatr. Res. 5, 131-136.

Darby, W.J., McGanity, W.J., Martin, M.P., Bridgforth, E.,
Densen, P.M., Kaser, M.M., Ogle, P.J., Newbill, J.A.,
Stockell, A., Ferguson, M.E., Touster, O., McLellan, G.S.,
Williams, C. and Cannon, R.O. (1953).

The Vanderbilt Co-operative study of maternal and
infant nutrition. IV. Dietary, Laboratory and Physical
findings in 2129 delivered pregnancies.

J. Nutr. 51, 565-597.

Dave, Ila (1980).

Nutritional studies during pregnancy and lactation.

Ph.D. thesis, M.S. University of Baroda, Baroda, India.

Davies, P.A. and Stewart, A.L. (1975).

Low birth weight infants. Neurological sequelae and later intelligence. Br. Med. Bull. 31, 85-91.

Dean, R.F.A. (1951).

Studies of undernutrition. Wuppertal 1946-1949.

Chapter XXVIII. Med. Res. Coun. Spl. Rep. Ser.

No. 275. London.

Desai, A.B., Modi, V.M. and Parikh, S.M. (1974).

Placenta in relation to birth weight of the new born.

Ind. Pediatr. 11, 399-402.

Desai, I.D., Waddell, C., Dutra, S., Dutra, de Oliverira, S.,

Duarte, E., Rubazzi, M.L., Cevallos, Romero, L.S.,

Desai, M.I., Vichi, F.L., Bradfield, R.B. and

Dutra de Oliverira, J.E. (1984).

Marginal malnutrition and reduced physical work capacity of migrant adolescent boys in southern Brazil.

Am. J. Clin. Nutr. 40, 135-145.

Desai, M. (1980).

Factors affecting neuromotor development in the post-natal period. M.Sc. dissertation report, Biochemistry Department, M.S. University of Baroda, Baroda, India.

Dowding, V.M. (1981).

New assessment of the effects of birth order and socio-economic status on birth weight.

Brit. Med. J. 282, 683-686.

Drillien, C.M. (1970).

The small-for-date infant : etiology and prognosis.

Pediatr. Clin. North Am. 17, 9.

Drillien, C.M. (1972).

Abnormal neurologic signs in the first year of life
in low-birth-weight infants : possible prognostic
significance. Dev. Med. Child Neurol. 14, 575.

Dubowitz, V. (1971).

The infant of inappropriate size. In: Size at birth.
Ciba Foundation Symposium, pp 47-82.

Duckworth, J. and Warnock, G.M. (1942).

The magnesium requirements of man in relation to
calcium requirements, with observations on the
adequacy of diets in common use.

Nutr. Abstr. & Rev. 12 : 167-183.

Eastman, N.S. and Jackson, E. (1968).

Weight relationship in pregnancy.

Obstet. Gynecol. 23, 1003-1025.

Economou-Mavrou, E. and McCance, R.A. (1958).

Calcium, magnesium and phosphorus in fetal tissues.
Biochem. J. 68, 573-580.

Eichelberger, L. and McLean, F.C. (1942)

The distribution of calcium and magnesium between the
cells and extra-cellular fluids of skeletal muscle
and liver in dogs. J. Biol. Chem. 142, 467.

Enesco, M. and LeBlond, C.P. (1962).

Increase in cell number as a factor in the growth
of the organs and tissues of the young male rat.

J. Embryol. Exp. Morphol. 10, 530.

Evers, J.E. (1966).

Premature birth and iron deficiency.

Ned. T. Geneesk. 110, 2244.

Feng Lai Wang, Renee Wang, Edward, E., Khairallah and
Ruth Schwartz (1971).

Magnesium depletion during gestation and lactation
in rats. Fed. Proc. 30, Abst. 1792, 516.

Finch, C.A. (1976).

Iron metabolism. In : "Present knowledge in nutrition".
Nutrition Reviews - 4th Edition. The Nutrition
Foundation, New York, pp. 280.

Fleming, A.F. (1974).

Maternal anemia and fetal well-being.

Niger. J. Pediatr. 1, 45-50.

Fletcher, J. and Suter, P.E.N. (1969).

The transport of iron by the human placenta.

Clin. Sci. 36, 209-220.

Flexner, L.B., Cowie, D.B., Hellman, L.M., Wilde, W.S. and
Vosburgh, G.J. (1948).

The permeability of the human placenta to sodium in
normal and abnormal pregnancies and the supply of
sodium to the human fetus as determined with
radioactive sodium. Am. J. Obstet. Gynecol. 55, 469.

Fraser, J.L. and Watt, H.J. (1964).

Megaloblastic anemia in pregnancy and the puerperium.
Am. J. Obstet. Gynecol. 89, 532.

Gal, I., Sharma, I.M. and Pryse-Davies, J. (1972).

Cf: Bates, C.J. (1983). Vitamin A in pregnancy and lactation. Proceedings of the Nutrition Society of India. 42, 65-79.

Gandy, G. and Jacobson, W. (1977).

Influence of folic acid on birth weight and growth of the erythroblastic infant. 111. Effect of folic acid supplementation. Arch. Dis. Child. 52, 16-21.

Garcia-Sicilia, A., Ballesta Martinez, J. and Ballester-Ballester, F. (1978).

The weight of the newborn : effect of maternal age and parity. Acta. Pediatr. Espanola, 36, 131-140.

Geel, S.E. and Dreyfus, P.M. (1975).

Brain and lipid composition of immature thiamine deficient and undernourished rats.

Neurochem. 24, 353-360.

Ghosh, S., Hooja, V., Mittal, S.K. and Verma, R.K. (1977).

Bio-social determinants of birth weight.

Ind. Pediatr. 14, 107-114.

Godbole, A., Heera, P., Anand, N.K. and Gupta, S. (1976).

Effect of fetal maturing on perinatal deaths and neonatal morbidity. Ind. Pediatr. 13, 277-282.

Goodhart, R.S. and Shils, M.E. (1973).

Modern Nutrition in Health and Disease, Lea and Fe biger, Philadelphia.

Gopalan, C. (1949).

Unpublished. Cf: Jayalakshmi, V.T., Ramanathan, M.K.
and Gopalan, C. (1957).

Ind. J. Med. Res. 45, 605-610.

Gopalan, C. and Raghavan, K.V. (1969).

Nutrition atlas of India. National Institute of
Nutrition, ICMR, Hyderabad, India.

Gorten, M.K. and Cross, E.R. (1964).

Iron metabolism in premature infants. II.

Prevention of iron deficiency. J. Pediatr. 64, 509.

Gotze, C.H., Schafer, K.H., Heinrich, H.C. and Bartels, H.

(1970). Eisenstoffwechselstudien an Fruhgeborenen
und gesunden Reifgeborenen Wahrend des ersten
Lebensjahres mit dem Ganzkorperzahler und anderen
Methoden. Mschr. Kinderheilk. 118, 210.

Goujard, J., Kaminski, M. and Rumeau-Rouquette, C. (1973).

Moyenne ponderale et age gestational en relation avec
quelques Caracteristiques maternells.

Arch. Franc. Pediatr. 30, 341-362.

Gruenwald, P. (1963).

Chronic fetal distress and placental insufficiency.
Biol. Neonate. 5, 215.

Gruenwald, P. (1966).

Growth of the human fetus, I. Normal growth and its
variation. Am. J. Obstet. Gynecol. 94, 1112-1119.

Gruenwald, P. (1974).

Pathology of the deprived fetus and its supply line.

In : 'Size at birth', Ciba Foundation Symposium.

27 Elsevier, Excerpta Medica, North Holland,

Associated Scientific Publishers, Amsterdam, Oxford,

New York, pp. 3-19.

Guest, G.M. and Brown, B.W. (1957).

Erythrocytes and hemoglobin in the blood in infancy

and childhood (iii) factors in variability statis-

tical studies. Am. J. Dis. Child. 93, 486-509.

Gulyaev, E.A. (1974).

Iron metabolism in pregnancy. Akusherstve. i. Ginekologiya, 5, 17-20.

Gurney, J.N. (1969). **Abeakute**

Field experiences in Nigeria (with special reference to differentiating protein and calorie reserves).

Jr. Trop. Pediatr. 15, 225-232.

Habicht, J.P., Yarbrough, C., Lechtig, A. and Klein, R.E.

(1973). Relationships of birth weight, maternal nutrition and infant mortality.

Nutr. Rep. Internat. 7, 533-546.

Habicht, J.P., Yarbrough, C., Lechtig, A. and Klein, R.E.

(1974). Relation of maternal supplementary feeding during pregnancy to birth weight and other socio-

biological factors. Curr. Concepts Nutr. 1, 127-145.

- Habicht, J.P., Lechtig, A., Yarbrough, C. and Klein, R.E.
(1974). Maternal nutrition, birth weight and infant mortality. In : "Size at birth". Ciba Foundation Symposium 27, Elsevier Excerpta Medica North Holland, Amsterdam, Oxford, New York, pp. 353-370.
- Habicht, J.P., Yarbrough, C., Lechtig, A., and Klein, R.E.
(1974b). Relation of maternal supplementary feeding during pregnancy to birth weight and other socio-biological factors. In : Nutrition and fetal development. Ed. M. Winick, John Wiley, New York, pp. 127-145.
- Hahn, P.F., Carothers, E.L., Darby, W.J., Martin, M., Sheppard, C.W., Cannon, R.O., Beam, A.S., Densen, P.M. Peterson, J.C. and McClellan, G.S. (1951). Iron metabolism in human pregnancy as studied with the radioactive isotope Fe 59,
Am. J. Obstet. Gynecol. 61, 477-486.
- Hall, D.G. (1957).
Serum magnesium in pregnancy. Obstet. and Gynecol. 9, 158.
- Hallberg, L. (1975).
Iron balance in adult man. Proc. 9th Internat. Congr. Nutr. Mexico (1977). Vol. I. pp. 134-140.
- Hallman, M. and Gluck, L. (1977).
Development of the fetal lung. J. Perinatol. Med., 1, 3-31.

Hambrasus, L. (1980).

Maternal diet and human milk composition.

In: "Maternal nutrition during pregnancy and lactation."

Eds. Hugo Aebi and Roger Whitehead. Hans Huber

Publishers, Bern Stuttgart Vienna, pp. 233-251.

Hamlin, R.H.J. (1952).

The prevention of eclampsia and pre-eclampsia.

Lancet. 1, 64-68.

Haridas, N. and Acharya, P.T. (1982).

Hemoglobin status in neonates. Ind. Pediatr. 19, 679-683.

Heinrich, H.C., Bartels, H., Heinisch, B., Hansmann, K.,

Kuse, R., Humke, W. and Mauss, H.J. (1968).

Intestinale 59- Fe resorption und pralater eisenmangel

Wahrend der garidat des menschen.

Klin Wschr. 46, 199-202.

Herratt, R.M., Hsueh, A.M. and Icheson, R.A. (1979).

Influence of maternal diet on offspring : Growth Behavior,

Feed efficiency and susceptibility (Human).

Final Report on Contract AID/CSD 2944.

Heymsfield, S.B., McManus, C., Stevens, V. and Smith, J.

(1982). Muscle mass : reliable indicator of protein
energy malnutrition, severity and outcome.

Am. J. Clin. Nutr. 35, 1192-1199.

Hibbard, E.M. and Hibbard, E.D. (1966).

Recurrance of defective folate metabolism in successive
pregnancies. J. Obstet. Gynecol. 73, 428.

Higgins, A.C. (1973).

Montreal diet dispensary study.

In : 'Nutritional supplementation and the
outcome of pregnancy',

Washington, D.C. NRC-NAS.

Hillman, L.S., Rojanasathit, S., Slatopolsky, E., Haddad,

F.C. (1977). Serial management of serum

calcium, magnesium, PTH, calcitonin and

25 hydroxy-vit.D in premature and term infants

during the first week of life.

Ped. Res. 11, 739-744.

Hines, H.M. and Knowlton, G.C. (1939).

Effect of age upon the cellular phases of skeletal

muscle. Proc. Soc. Exptl. Biol. Med. 42, 133.

Holmes, G.E., Miller, H.C., Hassanein, K., Lansky, S.B.

and Goggin, J.E. (1977). Postnatal somatic growth

in infants with atypical fetal growth patterns.

Am. J. Dis. Child. 131, 1078.

Hooker, D. (1969).

The prenatal origin of behavior. New York, Hafner,
originally published in 1952.

Hunter, E.J. (1978).

Variable effects of iron status on the concentration
of ferritin in rat plasma, Liver and Spleen.

J. Nutr., 108, 497-505.

Hurley, L.S. (1971).

Magnesium deficiency during pregnancy and its effect
on offspring. A comprehensive review. Proc. Internat.
Symp. Magnesium deficiency. Hum. Pathol. 1971.

Imprimerie Amelot, Brionne, France, 481-292.

Hurley, L.S. and Cosens, G. (1971).

Congenital malformations and fetal anemia resulting
from magnesium deficiency in rats.

Fed. Proc. Fed. Amer. Soc. Exp. Biol. 30, 516.

Hurley, L.S. (1976).

Perinatal effects of trace element deficiencies.

In : "Trace elements in Human Health and Disease".

Ed. A.S. Prasad, Vol.2. Academic Press, New York, pp. 301.

Hussain, M.A. (1968).

Assessment of nutritional status of a community with
special reference to perinatal mortality.

Ph.D. thesis, University of London.

Hytten, F.E. and Leitch, I. (1964).

In : "Physiology of Human pregnancy". 1st ed. Blackwell
Sci. Pub., Oxford.

Hytten, F.E. and Leitch, I. (1971).

The physiology of human pregnancy. 2nd ed. Blackwell
Sci. Pub., Oxford.

Hytten, F.E. (1980).

Nutritional aspects of human pregnancy. In: 'Maternal
nutrition during pregnancy and lactation.'

Eds. Hugo Aebi and Roger Whitehead, Hans Huber
Publishers, Bern Stuttgart, Vienna, pp. 27-38.

International Committee for Standardization in Hematology
(1965). J. Clin. Pathol. 18, 353.

10b, V. and Swanson, W.W. (1934).

Mineral growth of the human fetus.

Am. J. Dis. Child. 47, 302.

Iyengar, L.R. (1967).

Effects of dietary supplements late in pregnancy on
the expectant mother and her new born.

Ind. J. Med. Res. 55, 85-89.

Iyengar, L.R. (1971).

Folic acid requirements of Indian pregnant women.

Am. J. Obstet. Gynec. 111, 13-16.

Iyengar, L.R. (1972).

Proc. Nutr. Soc. India, 11 : 2732. Cf: An international
workshop on "effects of maternal nutrition on infant
health : Implications for action". Archivos Latino-
americanos de Nutricion. Vol.29 (Supplement No.1)
1979.

Iyengar, L.R. (1975).

Influence of diet on the outcome of pregnancy in Indian women. Proc. 9th Int. Congr. Nutr. Mexico, 1972, Vol. II. pp. 53-58.

Iyengar, L.R. (1984).

Proceedings of the international symposium on fetal biology. In press.

Jackson, R.L. (1968).

In: 'Malnutrition, learning and behaviour'. Eds. Scrimshaw, N.S. and Gordon, N.E., M.I.T. Press, Cambridge, pp. 303-304.

James, D.K., Dryburgh, E.H. and Chiswick, M.L. (1979).

Foot-length - a new and potentially useful measurement in the neonate. Arch. Dis. Child. 54, 226-230.

Jansson, L., Holmborg, L. and Ekman, R. (1979).

Variation of serum ferritin in low birth weight infants with maternal ferritin, birth weight and gestational age. Acta Haematol. 62, 273-277.

Jelliffe, D.B. (1969).

Field anthropometry independent of precise age.

Jr. Pediatr. 75, 334-335.

Jukarainen, E. (1971).

Plasma magnesium levels during the first five days of life. Acta Pediatr. Scand. (Suppl.) 222, 1.

Kanawati, A.A. and McLaren, D.S. (1972).

Mid-arm and head circumference ratio : a new technique to assess marginal protein calorie nutrition of a community. Proc. 1st Asian Congress of Nutrition, 786-789. Nutrition Society of India, Hyderabad.

Kandakia, X.C. (1969).

Field surveys in north Greece and Dodome, Tanzania. J. Trop. Pediatr. 15, 201-204.

Karotia, H.C., Inamdar, S., Khan, M.A. and Mathur, P.S.

(1976). Fetal hemoglobin concentration of cord blood in relation to gestational age.

Ind. J. Pediatr. 43, 313-318.

Khanna, A. and Reddy, T.S. (1983).

Effect of undernutrition and vitamin A deficiency on the phospholipid composition of rat tissues at 21 day of age. Internat. J. Vit. Nutr. Res. 53, 3-8.

Kimberg, D.V., Schachter, D., Schenker, H. (1961).

Active transport of calcium by intestine; Effects of dietary calcium. Am. J. Physiol. 200, 1256-1262.

King, J.C., Calloway, D.H., Margen, S. (1973).

Nitrogen retention total body ⁴⁰K weight gain in teenage pregnant girls. J. Nutr. 103, 772-785.

King, J.C., Alberts, J., Kodama, A.M. (1976).

Nitrogen and potassium retention in healthy adult pregnant women. Fed. Proc. 35, 597.

Koldovsky, O. (1982).

Digestion and absorption in infants and children.

Baroda J. Nutr. 9, 82-91.

Kulkarni, B.S., Satoskar, R.S., Parikh, M.N. and Chitre, R.G.
(1959). Electrophoretic studies of serum protein ^{pattern} in

newborn Indian infants. Arch. Dis. Child. 34, 392-397.

Kumar, V and Chase, H.P. (1971).

Undernutrition and intestinal dipeptidase hydrolase

activity in the rat. J. Nutr. 101, 1509-1514.

Lafeber, H.N., Jones, C.T. and Rolph, T.P. (1979).

Some of the consequences of intrauterine growth

retardation. In 'Nutrition and metabolism of the

fetus and infant'. Ed. Visser, H.K., Martinus, Nijhoff,

The Hague, pp. 43-62.

Lakshminarayana, P., Nagaswamy, S. and Balagopala Raju, V.

(1974). Fetal growth as assessed by anthropometric

measurements. Ind. Pediatr. 111, 803-810.

Lanzkowsky, P. (1960).

Effects of early and late clamping of umbilical cord

on infant's hemoglobin level. Br. Med. J. 2, 1777-1782.

Lanzkowsky, P. (1961).

The influence of maternal iron deficiency anemia on the

hemoglobin of the infant. Arch. Dis, Child, 36, 205-211.

Lanzkowsky, P. (1961a). The effect of intramuscular iron-

dextran complex administered to women during pregnancy

on their hematological values and on the hemoglobin

levels of their infants. J. Obstet. Gynecol. Brit.

Commonwealth. 58, 52-61.

Lanzkowsky, P. (1976).

Iron metabolism in the newborn infant.

Clin. Endocrin. Metabol. 5, 149-173.

Layrisse, M., Martinez-Torres, C and Gonzalez, M. (1974).

Measurement of the total daily dietary iron absorption by the extrinsic tag model.

Am. J. Clin. Nutr. 27, 152.

Lazar, P., Dreyfus, J. and Papiernik-Berkhauer, E. (1975).

Individual correlation of birth weight for parental stature with special reference to small-for-date and large-for-date infants. J. Perinat. Med. 3, 242.

Leitch, I., Hytten, F.E. and Billewicz, W.Z. (1959-60)

The maternal and neonatal weights of some mammalia.

Proc. Zool. Soc. Lond., 133, 11-28.

Lechtig, A., Delgado, H. and Lasky, R.E. (1975)

Maternal nutrition and fetal growth in developing societies : Socioeconomic factors.

Am. J. Dis. Child 129, 434-437.

Lechtig, A., Klein, R.E., Daza, Ch, Read, M.S. and Kahn, S.G.

(1979). Effects of maternal nutrition from an International Workshop; Panajachel, Solola, Guatemala, March 12-16, 1979 (Arch. Latinoamer, Nutr. 29 (4) (Supplement 1)).

Lim, P., Jacob, E., Dong, S. and Khoo, O.T. (1969).

Values for tissue magnesium as a guide in detecting magnesium deficiency. J.Clin.Pathol. 22, 497.

- Linder, J.C., Hansen, J.D.L. and Karabus, C.D. (1963). 276
Metabolism of magnesium and other organic cations
and of nitrogen in acute kwashiorkor.
Pediatrics. 31, 552-568.
- Loh, K.W., Shrader, R.G. and Zaman, F.J. (1971).
Effect of maternal protein deprivation on neonatal
intestinal absorption in rats. J.Nutr. 101, 1663-1672.
- Lopes, J., Russell, D. McR., Whitwell, J. and Jeejeebhoy, K.
(1982). Skeletal muscle function in malnutrition.
Am. J. Clin. Nutr. 36, 602-610.
- Love, E.J. and Kinch, R.A.H. (1965)
Factors influencing the birth weight in normal pregnancy.
Am. J. Obstet. Gynecol. 91, 342-349.
- Lubchenko, L.O., Hansman, C., Dressler, M. and Boyd, E. (1963)
Intrauterine growth as estimated from live born birth
weight data at 24 to 42 week of gestation.
Pediatrics. 32, 793-800.
- Lubchenko, L.O. (1976).
The High Risk Infant. W.B.Saunders, London-Philadelphia.
- Lundstrom, U., Siimes, M.A. and Dallman, P.R. (1977).
At what age does iron supplementation become necessary
in low-birth weight infants. J.Pediatr. 91, 878.
- Lundstrom, U., Siimes, M.A. and Dallman, P.R. (1980).
Blood counts in preterm infants : ages at which values
become equivalent to those of term infants.
J. Pediatr. 96, 206-212.

- Lusaski, H.C., Bolonchuk, W.W., Klevay, L.M., Milne, D.B. and Sandstead, H.H. (1983). Maximal oxygen consumption as related to magnesium, copper and zinc nutriture.. Am. J. Clin. Nutr. 37, 407-415.
- Macy, I.G. and Hunscher, H.A. (1934).
An evaluation of maternal nitrogen and mineral needs during embryonic and infant development.
Am. J. Obstet. Gynecol. 27, 878-888.
- Marsh, A., Long, H. and Stierwait, E. (1959).
Comparative hematologic response to iron fortification of a milk formula for infants.
Pediatrics. 24, 404.
- McCance, R.A. and Widdowson, E.M. (1956a)
The chemical structure of the body.
Quart. J. Exptl. Physiol. 41, 1.
- McCance, R.A. and Widdowson, E.M. (1956b).
The effect of development, anemia and undernutrition on the composition of the erythrocytes.
C Clin. Sci. 15, 409.
- McGanity, W.J., Cannon, R.U. and Bridgforth, E.B.^{et al} (1954).
The vanderbilt co-operative study of maternal and infant nutrition. Am. J. Obstet. Gynecol. 67, 501-527.
- McGanity, W.J., Bridgforth, E.B., Martin, H.P., Newbill, J.A. and Darby, W.J. (1955). The Vanderbilt co-operative study of maternal and infant nutrition. VIII. some nutritional implications. Am. J. Dietet. Assoc. 31, 582-588.

McKay, D. (1969).

Experience with mid-arm circumference as a nutrition indicator in field surveys. *Jr. Trop. Pediatr.* 15, 213-216.

McLaren, D.S. and Pollit, P.L. (1970).

Nutrition in the middle east. ~~Am. J. Clin. Nutr.~~
Wld. Rev. Nutr. Dietet. 12, 43-127.

McMeekan, C.P. (1940).

Growth and development in the pig, with special reference to carcass quality characters, Part-I.
J. Agr. Sci. 30, 276.

Mehta, S., Chapparwal, B.C., Vijayvargiya, R. and Singh, S.D.

(1972). Some aspects of magnesium and zinc metabolism in PCM. *Ind. Pediatr.* 9, 216-219.

Melhorn, D.K. and Gross, S. (1971).

Vitamin E dependent anemia in the premature infant. I. effects of large doses of medicinal iron.
J. Pediatr. 79, 569-580.

Metcoff, J. (1960).

Relations of intracellular ions to metabolite sequences in muscle in kwashiorkor. *Pediatrics.* 26, 960-972.

Metcoff, J., Costiloe, P.J., Crosby, W., Bentle, L., Datta, S., Sandstead, H.H., Bodwell, C.E., Weaver, F., McClain, P.E.

(1981). Maternal nutrition and fetal outcome.

~~Am. J. Clin. Nutr.~~ *Am. J. Clin. Nutr.* 34 (Supplement) 708-721.

- Metcoff, J., Costiloe, P., Crosby, W.M., Bentle, L., Dutta, S., Weaver, F., Burns, G., Sandsfead, H.H. and Bodwell, C.E. (1982). Predicting fetal growth from nutritional status of the mother at midpregnancy. *Baroda J. Nutr.* 9, 35-45.
- Miller, H.C. and Merritt, T.A. (1979). Fetal growth in humans. Year Book Medical Publishers, Inc., Chicago.
- Mirsky, A.E. and Ris, H. (1949). Variable and constant components of Chromosomes. *Nature*, 163, 666.
- Mitchell, H.H. (1962). Comparative nutrition of man and domestic animals. Vol. I. Academic Press, London.
- Mitchell, H.H. (1964). Comparative nutrition of man and domestic animals. Vol. II. Academic Press, London.
- Mittal, P. (1982). Short term and long term responses to nutritional stress. Ph.D. thesis, M.S. University of Baroda, Baroda, India.
- Monckeberg, F. (1968). Effect of early marasmic malnutrition on subsequent physical and psychological development. In: 'Malnutrition learning and behaviour.' Eds. N.S. Scrimshaw and J.E. Gordon. MIT Press, Cambridge, Mass, pp. 269-278.

Montagu, A. (1962).

Natural selection and the form of the breast in the human female. J.Am.Med. Assoc., 180, 108-109.

Montagu, A. (1979).

Breastfeeding and its relation to morphological, behavioral and psychocultural development.

In: "Breast-feeding and food policy in a Hungry world."

Ed. Dana Raphael, Academic Press, New York. pp. 189-198.

Montgomery, R.D. (1960).

Magnesium metabolism in infantile protein malnutrition.

Lancet. II, 74-75.

Montgomery, R.D. (1961).

Magnesium balance studies in marasmic kwashiorkor.

J.Pediatr. 59, 119-123.

Montreewasuwat, N. and Olson, J.A. (1979).

Serum and liver concentration of vitamin A in Thai fetuses as a function of gestational age.

Am. J. Clin. Nutr. 32, 601-606.

Moore, T. (1977).

The developing human. Second edition. Philadelphia, Saunders, Cf. Williams Obstetrics.

Mora, J.O., de Paredes, B., Wagner, M., de Navarro, L.,

Suescum, J., Christiansen, N. and Herrera, M.G. (1979).

Nutritional supplementation and the outcome of

pregnancy. I. Birth weight. Am.J.Clin.Nutr. 32, 455-462.

Moulton, C.R. (1923).

J. Biol. Chem. 57, 79. Cf: Widdowson, E.M. and
Dickerson, J.W.T. (1960). The effect of growth and
function on the chemical composition of soft tissues.
Biochem. J. 77, 30-43.

Munro, H.N. (1973).

Nutritional factors in perinatal life : Introduction.
Nutr. Rep. Internat. 7, 353-359.

Murray, J. and Stein, N. (1971).

Contribution of maternal rat iron stores to fetal iron
in maternal iron deficiency and overload.
J. Nutr. 101, 1583-1587.

Murray, M.J., Murray, A.B., Murray, N.J. and Murray, M.B. (1978).

The effect of iron status of Nigerian mothers on that
of their infants at birth and 6 months, and on the
concentration of iron in breast milk.
Br. J. Nutr. 39, 627-630.

Naeye, R.L. (1965).

Malnutrition, probable cause of fetal growth retardation.
Arch. Pathol. 70, 284-291.

Naeye, R.L., Blanc, and Paul, C. (1973),

Effects of maternal nutrition on the human fetus.
Pediatr. 52, 494-503.

Naeye, R. (1980).

Nutrition and interacting factors that influence fetal
growth and antenatal disorders. In: Eating for Two.

- NAS-NRC, Committee on Dietary Allowances, Food and Nutrition Board, NRC (1980). Recommended Dietary Allowances (9th edition), National Academy of Sciences, Washington, D.C.).
- Needham, J. (1931).
Chemical Embryology. Vol.III. Cambridge University Press, London and New York.
- Nelson, M.M., Wright, H.U., Baird, C.D.C. and Evans, H.M. (1957). Teratogenic effects of pantothenic acid deficiency in rat. J. Nutr. 62, 395.
- Newcombe, R.G. (1981).
Non-nutritional factors affecting fetal growth.
Am. J. Clin. Nutr. 34 (Supplement), 732-737.
- Nhonoli, A.M., Kihama, F.E. and Ramji, B.D. (1975)
The relation between maternal and cord serum iron levels and its effect on fetal growth in iron deficient mothers without malarial infection.
Br. J. Obstet. Gynecol. 82, 467-470.
- Nicolaysen, R. (1943).
The absorption of calcium as a function of the body saturation with calcium.
Acta Physiol. Scand. 57, 51.
- Niswander, K.B., Singer, J., Westphal, M.J. and Weiss, W. (1969). Weight gain during pregnancy and prepregnancy weight. Obstet. Gynecol. 33, 482.

Niswander, K.L. (1972).

Women and their pregnancy. Washington, D.C. DHEW Publication No. (NIH) 73-379.

Niswander, K. and Jackson, E.C. (1974).

Physical characteristics of the gravida and their association with birth weight and perinatal death.

Am. J. Obstet. Gynecol. 119, 306-310.

NIN Annual Report (1974).

Annual
NIN Report (1978).

Nirmala, P.S., Swarnam, S. and Devadas, R.P. (1966).

Diet and nutritional status of expectant mothers from low income families.

J. Nutr. Dietet. 3, 129-133.

Nutrition Research Laboratory (1968)

Hyderabad. Annual Report. Indian Council of Medical Research, New Delhi.

Nutrition Reviews (1975)

Infant body composition by skinfold measurements.

33, 7-9.

Nutrition Reviews (1978).

Summary of a workshop : Fetal and infant nutrition and susceptibility to obesity. Committee on nutrition of the mother and pre-school child. Foods and Nutrition Board, NRC, NAS. 36, 122-126.

Orange, M. and Rhein, H. (1951).

Microestimation of magnesium in body fluids.

J. Biol. Chem. 189, 379-386.

Oski, F.A. and Naiman, J.L. (1972).

In: Hematologic problems of the newborn, 2nd edition.

Philadelphia, W.B. Saunders.

O'Sullivan, J.B., Gellis, S.S. and Tenny, B.O. (1965).

Aspects of birth weight and its influencing variables.

Am. J. Obstet. Gynecol. 92, 1023.

Ounsted, M. and Taylor, M.E. (1971).

The postnatal growth of children who were small-for-dates or large-for-dates at birth.

Dev. Med. Child Neurol. 13, 421.

Ounsted, M. and Ounsted, C. (1973).

On fetal growth rate clinics in developmental medicine No.46.

Ounsted, M. and Scott, A. (1981).

Associations between maternal weight, ~~wa~~ height, weight-for-height, weight-gain and birth weight.

In: 'Maternal nutrition in pregnancy-eating for two?'

Ed. John Dobbing. Academic Press, London, New York.

pp. 113-123.

Parekh, V.C., Naik, P.A. and Udani, P.M. (1972).

Physical and neurological development of low birth

weight babies. Proc. Nutr. Soc. India.No.11, 21-26.

Peckham, C.H. and Christianson, R.E. (1971).

The relationship between pregnancy weight and certain obstetric factors. Am. J. Obstet. Gynecol. 111, 1-7.

Peramma, D. (1985).

Comparative study on low and high income groups in Kerala with regard to nutritional and Biochemical status during pregnancy and late maturity.

Ph.D. thesis, M.S. University of Baroda, Baroda, India.

Petterson, F. and Melander, S. (1975).

Prediction of birth weight. Results of a multiple regression analysis. Upsala J. Med. Sci. 80, 135-140.

Pitkin, R.M. (1977).

Nutritional influence during pregnancy.

Medical Clinics N. America, 61, 3-15.

Polani, P.E. (1974).

Chromosomal and other genetic influences on birth weight variation. In size at birth, Ciba foundation symposium 27 (new series), Amsterdam. Associated Scientific Publishers. Amsterdam, Oxford, New York. p. 127.

Pottenger, F.M. Jr. (1946).

The responsibility of the pediatricians in the orthodontic problem. Calif. Med. 65, 169-170.

Pottenger, F.M. Jr. and Krohn, B. (1950).

Influence of breast feeding on facial development. Arch. Pediatr. 67, 454-461.

Potter, E.L. (1961).

Pathology of the fetus and infant. 2nd ed. Year Book Medical Publishers, Chicago, p. 14.

Prathapkumar, S. (1983).

Studies on protein-calorie malnutrition in children.

Ph.D. thesis, M.S. University of Baroda, Baroda, India.

Prentice, A.M. (1980).

Variations in maternal dietary intake, birth weight and breast-milk output in The Gambia.

In: Maternal Nutrition during pregnancy and lactation.

Ed. Hugo Aebi/Roger White Head. Publishers Hans Huber Publishers. pp. 167-183.

Prentice, A. (1983).

In: Report of workshop 'Fetal and Neonatal Development in relation to maternal nutrition and ecological factors'. Baroda J. Nutr. 10, 85-108.

Purohit, C.K. (1979).

Common morbid conditions of children; an epidemiological exercise under group project work training of undergraduates. Ind. Pediatr. 16, 49-55.

Qureshi, S., Rao, N.P., Madhavi, V., Mathur, Y.C. and Reddi, Y.R.

(1973). Effect of maternal nutrition supplementation on the birth weight of the new born.

Ind. Pediatr. 10, 541-544.

Rajalakshmi, R. and Ramachandran, K. (1967).

Calcium incorporation in foodstuffs. Proc. VIIth Intern. Cong. Nutr. Hamburg, (1966). 3, 298-303.

Ed. Kuhnau, J., Pergamon Press, Oxford.

Rajalakshmi, R. and Ramakrishnan, C.V. (1969).

Gestation and lactation performance in relation to

nutritional status. Terminal Report of PL 480 287
Research Project No. FG-In-224. Biochemistry Department,
Baroda University, Baroda, India.

Rajalakshmi, R. (1971).

Reproductive performance of poor Indian women on a
low plane of nutrition.

Trop. Geogr. Med. 23, 117-125.

Rajalakshmi, R. and Nakhasi, H.L. (1974). Effects of prenatal
and postnatal nutritional deficiency on brain lipid
composition in rats. Expt. Neur. 44, 103-112.

Rajalakshmi, R. and Ramakrishnan, C.V. (1977).

Formulation and evaluation of meals based on locally
available foods for young children.

Wld. Rev. Nutr. Dietet. 27, 34-104.

Rajalakshmi, R., Subbulakshmi, G., Parekh, B., Dave, I. Bhatt,
R.V. and Joshi, S.K. (1978).

Distribution of birth weights in the low and high
income groups in Urban Baroda and factors influencing
the same. Baroda J. Nutr. 5, 47-56.

Rajalakshmi, R. (1980).

Gestation and lactation performance in relation to the
plane of nutrition. In: "Maternal nutrition during
pregnancy and lactation". Eds. Hugo Abei and Roger

Whitehead, Bern. Hans Huber publishing Company, Bern Stutt-
gart Vienna,
pp. 184-203.

Ramachandran, K. (1968).

Formulation and evaluation of low cost balanced meals based on locally available foods for child in the post weaning period. Ph.D. thesis, M.S.University of Baroda, Baroda, India.

Ramage, H., Sheldon, J.H. and Sheldon, W. (1975).

A spectrographic investigation of the metallic contents of the liver in childhood.

Proc. Roy. Soc. B.113-308 (Cf: Wadsworth, G.R., Nutritional factors in anemia). Wld. Rev. Nutr. Dietet. 21, 75-150.

Raman, L. (1981).

Influence of maternal nutritional factors affecting birth weight. Am.J.Clin. Nutr. 34 (Supplement) 775-783.

Ramsay, W.N.M. (1957a).

The determination of iron in blood plasma or serum. Clin. Chim. Acta. 2, 214-220.

Ramsay, W.N.M. (1957b).

The determination of the total iron-binding capacity of serum. Clin. Chim. Acta. 2, 221-226.

Rao, K.S., Swaminathan, M.C., Swarup, S. and Pathwardhan, V.N. (1959). Protein malnutrition in South India.

Bull. WHO, 20, 603-639.

Rao, N.B.S., Pasriche, S. and Gopalan, R.C. (1958).

Nitrogen balance studies in poor Indian women during lactation. Ind.J.Med.Res. 46, 325-331.

Read, M.S. (1975).

In:
Behavioral correlates of malnutrition. / 'Growth and
development of the brain'.

Ed. M.A.B. Brazier, Raven Press, New York, pp. 335-353.

Reddy, P.U. and Sastry, P.S. (1978).

Effect of undernutrition on the metabolism of phospho-
lipids and gangliosides in developing rat brain;

Br. J. Nutr. 40, 403-410.

Reinhardt, M.C., Gautier, E., Gautier, R., Kakou, D. and

Outtara (1978).

A year of deliveries at the Adjame maternity hospital
in Abidjan (Ivory coast).

Helv. Pediatr. Acta. 33, (Suppl. 41), 7-20.

Reinhardt, M.C., Gautier, R., Reinhardt, N.M. (1978).

A study of 204 consecutive deliveries in Abidjan -
Anthropometric data of newborns, mothers and placentas.

Helv. Pediatr. Acta. 33 (suppl. 41) 21-42.

Reinhardt, M.C. (1980).

The African newborn in Abidjan. Maternal and environ-
mental factors influencing the outcome of pregnancy.

In: 'Maternal nutrition during pregnancy and lactation.'

Eds. Hugo Aebi and Roger Whitehead, Hans Huber Publishers,
Bern Stuttgart Vienna, pp. 132-149.

Robinson, J.S. (1979).

Growth of the fetus. Brit. Med. Bull. 35, 137-144.

- Roord, J.J., Ramaekers, L.H.T. and Von Engelshoven, J.M.A. (1978). Intra-uterine malnutrition and skeletal retardation. *Biol. Neonate*. 34, 167-169.
- Rosse, C., Kraemer, M.J., Dillon, T.L., McFarland, R. and Smith N.J. (1977). Bone marrow cell populations normal infants : the predominance of lymphocytes. *J. Lab. Clin. Med.* 89, 1225.
- Roszkowski, I., Wojcicka, S. and Zalewska, K. (1966). Low fetal body weight and the serum iron levels in the mother and the newborn. *Pol. Med. J.* 5, 492.
- Rush, D., Stein, Z. and Susser, M. (1979). Diet in pregnancy : a randomized control trial of nutritional supplements. In: 'Birth defects.' New York, original article series. National Foundation - March of Dimes.
- Rush, D., Stein, Z., Susser, M.A. (1980). A randomized controlled trial of prenatal nutritional supplementation in New York City. *Pediatr.* 65, 683-697.
- Rutishansar, I.H.E. (1969). Correlation of the circumference of the mid upper arm with weight and weight for height in three groups in Uganda. *Jr. Trop. Pediatr.* 15, 196-197.
- Saarinen, U.M. and Siimes, M.A. (1978). Developmental changes in red blood cell counts after exclusion of iron deficiency by laboratory criteria and continuous iron supplementation. *J. Pediatr.* 92, 412-416.

Sack, R.A. (1969).

The large infants. Am.J.Obstet.Gynecol. 194, 195-204.

Salmi, I. (1954-1955).

On the influence of anoxia on plasma calcium.

Experimental and Clinical Observations.

Ann. Pediatr. Fenn. 1 Suppl. 2.

Sanchez-Medal, L. (1969).

Iron deficiency in pregnancy and infancy : In iron metabolism and anemia. Pan American Hlth. Org. Sci.Publ. No.184. pp. 65-71 (Washington,D.C.).

Savkur, L. (1980).

Studies on the physical and neurological development of premature and small-for-date infants.

M.Sc. dissertation report, Biochemistry Department,

M.S.University of Baroda, Baroda, India.

Schorah, C.J., Wild, R., Hartley, R., Shepperd, S. and Smithells,

R.W. (1983). The effect of periconceptional supplementation on blood vitamin concentrations in women at recurrence risk of neural tube defect. Br.J.Nutr. 49, 203-212.

Schulman, I. and Smith, C.H. (1954).

Studies on the anemia of prematurity. III.

The mechanism of anemia. Am.J.Dis.Child. 88, 567-582.

Schulman, I. (1961).

Iron requirements in infancy. J.Am.Med.Assoc. 175, 118-123.

Schulte, F.J. (1981).

Determinants of fetal development. The development of nervous respiratory control mechanisms.

Baroda J. Nutr. 8, 126A.

Scott, K.E. and Usher, R. (1964).

Epiphyseal development in fetal malnutrition syndrome.

The New Eng. J. Med. 270, 822-824.

Seip, M. and Halvorsen, S. (1957).

Erythrocyte production and iron stores in premature infants during the first months of life.

Acta. Paediatr. 46, 600.

Sen, S. and Agarwal, K.N. (1975).

Placental alterations in relation to maternal socio-economic status. Ind. Pediatr. 12, 865-868.

Sen, S. and Agarwal, K.N. (1976).

Placental protein free alpha amino nitrogen and nucleic acids in maternal undernutrition.

Ind. Pediatr. 13, 907-914.

Seone, N. and Latham, M.C. (1971).

Nutritional anthropometry in the identification of malnutrition in childhood. *Jr. of Trop. Pediatrics and Environmental Child Health*. 17, 98-104.

Shah, R.S. and Rajalakshmi, R. (1984).

Vitamin A status of the newborn in relation to gestational age, body weight and maternal nutritional status. *Am.J.Clin.Nutr.* 40, 794-800.

Shah, R.S. (1986).

Studies on human fetal and neonatal development in relation to gestational age, body weight and maternal nutritional status with special reference to lipids and lipid-soluble vitamins. Ph.D. thesis, M.S. University of Baroda, Baroda, India.

Shah, S.S. (1983).

Studies on skeletal development and skeletal status
with respect to age, sex and nutritional status.

Ph.D. thesis, M.S.University of Baroda, Baroda, India.

Shapiro, L.M. and Bassen, F.A. (1941).

Sternal marrow changes during the first week of life.

Correlation with peripheral blood findings.

Am. J. Med. Sci. 202, 341.

Shohl, A.T. (1939).

Mineral metabolism. Am.Chem.Soc. Monograph series.

Reinhold, New York.

Shott, R.J., Andrews, B.F. and KY.L. (1972)

Iron status of a medical high risk population at
delivery. Am.J.Dis.Child. 124, 369-373.

Shrader, R.E. and Zeman, F.J. (1969).

Effect of maternal protein deprivation on morphological
and enzymatic development of neonatal rat tissue.

J. Nutr. 99, 401-402.

Siimes, M.A., Addiego, J.E. and Dallman, P.R. (1974).

Ferritin in serum : the diagnosis of iron deficiency
and iron overload in infants and children.

Blood, 43, 581.

Simpson, J.W., Lawless, R.W. and Mitchell, A.C. (1975).

Responsibility of the obstetrician to the fetus.

II Influence of prepregnancy weight and pregnancy weight
gain on birth weight. Obstet.Gynecol. 45, 481-487.

Singer, J.E., Westphal, M. and Niswander, K. (1968).

Relationship of weight gain during pregnancy to birth weight and infant growth and development in the first year of life. *Obstet. Gynecol.* 31, 417-423.

Singh, H., Liela, R. and Singh, I.D. (1967).

Serum protein in pregnancy at term.

J. Obstet. Gynecol. Brit. Commonwealth. 74, 254-257.

Singla, P.N., Chand, S., Khanna, S. and Agarwal, K.N. (1978).

Effect of maternal anemia on the placenta and the newborn infant. *Acta. Pediatr. Scand.* 67, 645-648.

Smith, C.A. (1947).

Effects of maternal undernutrition upon the newborn infant in Holland (1944-45). *J. Pediatr.* 30, 229-243.

Smith, C.A., Cherry, R.B., Maletskos, C.J., Gibson, J.G. II.,

Roby, C.C., Caton, W.L., and Reid, D.E. (1955).

Persistence and utilization of maternal iron for blood formation during infancy.

J. Clin. Invest. 34, 1391-1402.

Smith, C.A. (1974).

The effect of war time starvation in Holland upon pregnancy and its product.

Am. J. Obstet. Gynecol. 53, 599-608.

Smithells, K.W., Sheppard, S., Schorah, C.J., Seller, M.J.,

Nevin, N.C., Harris, R., Read, A.P. and Fielding, D.W.

(1980). Possible prevention of neural tube defects by periconceptional vitamin supplementation.

Lancet. 1, 339.

Southgate, D.A.T. and Hey, E.N. (1976).

Chemical and biochemical development of the human fetus. In: "The biology of human fetal growth."

Eds. Roberts, D.F. and Thomson, A.M. Taylor and Francis, London, pp. 195-209.

Spray, C.M. (1950).

A study of some aspects of reproduction by means of chemical analysis. Br.J.Nutr., 4, 354-360.

Spurr, G.B., Reina, J.C., Dahners, H.W. and Barac-Nieto, M. (1983).
in school aged Colombian boys. Functional Marginal malnutritional/consequences in maximum exercise. Am.J.Clin.Nutr. 37, 834-847.

Srikantia, S.G. and Iyengar, L.R. (1972).

Effect of nutrient supplements in pregnancy on birth weight of the new born. Proc. Nutr. Soc. India. No.11, 27-32.

Stein, Z., Susser, M., Saenger, G. and Marolla, F. (1975).

"Famine and human development. The Dutch Hunger Winter of 1944-1945". Oxford University Press, New York.

Stein, Z., Susser, M. and Rush, D. (1978).

Prenatal nutrition and birth weight : Experiments and quasi experiments in the past decade.

J. Reprod. Med. 21, 287-298.

Steinbock, H.L. and Tarver, H. (1954).

Plasma protein : effect of protein content of diet on turnover. J.Biol.Chem. 209, 127-132.

Stoch, M.E. and Smythe, P.M. (1963).

Does undernutrition during infancy inhibit brain growth and subsequent intellectual development.

Arch. Dis. Child. 38, 546-552.

Strauss, M.B. (1933).

Anemia of infancy from maternal iron deficiency in pregnancy. J.Clin.Invest. 12, 345-353.

Streeter, G.L. (1920).

Weight, sitting height, foot length, menstrual age of the human embryo. Contribution to embryo Carnegie Institute of Washington, Washington, D.C. 11, 143-170.

Stuart, H.C. (1945).

Fed. Proc. 14, 271. Cf: Giroud, A. (1959).

The nutritional requirements of embryo and the repercussions of deficiencies. Wld.Rev.Nutr.Dietet. 1, 233-263.

Sturgeon, P. (1954).

Studies on iron requirements in infants and children. I. Normal values for serum iron, copper and free erythrocyte protoporphyrin. Pediatr. 13, 107.

Sturgeon, P. (1959).

Studies on iron requirements in infants. III.

Influence of supplemental iron during normal pregnancy on mother and infant. B. The infant.

Br. J. Haematol. 5, 45-51.

Subbulakshmi, G. (1970).

Studies on pregnancy and lactation. Ph.D. thesis,
M.S.University of Baroda, Baroda, India.

Tasker, P.W.C., Richardson, A.M., Llewelly, N. and Jones, D.
(1956). Anemia in pregnancy.

J. Obstet. Gynecol. Brit. Emp. 63, 409-414.

Thomson, A.M. and Hytten, F.E. (1966)

Nutrition in pregnancy and lactation.

In: "Nutrition : a comprehensive treatise."

Eds. Beaton, G.H. and McHenry, E.H. Vol.3, New York.

N.Y. Academic Press, 104-143.

Thomson, A.M., Billewicz, W.Z. and Hytten, F.E. (1968).

The assessment of fetal growth. J.Obstet.Gynecol.

Brit. Commonwealth. 75, 903-916.

Toverud, K.U., Stearns, G. and Macy, I.G. (1950).

Maternal nutrition and child health. An Interpretative
review. Bull. of N.R.C. No.123, National Acad. of
Sciences. Washington, D.C.

Tsang, R. and OH, W. (1970).

Neonatal hypocalcemia in low birth weight infants.

Pediatr. 45, 773.

Udani, P.M. (1963).

Physical growth of children in different socio-economic
groups in Bombay. Ind.J.Child Health. 12, 593-611.

Underwood, B.A. (1974).

The determinants of vitamin A and some aspect of its
distribution, mobilization and transport in health and
disease. Wld.Rev.Nutr.Dietet. 19, 123-172.

USCFN (1968).

Committee on iron deficiency. Iron deficiency in the United States. J.Am.Med.Assoc. 203, 119-124.

Usher, R.U. and McLean, F. (1969).

Intrauterine growth of live-born infants at sea level : Standards obtained from measurements in 7 dimension of infants born between 25-44 weeks of gestation.

J. Pediatr. 74, 901-910.

Vahlquist, B. and Das Serumeisen. (1941).

Eine paediatrisch klinische und experimentelle studie.

Acta Pediatr. Scand. 28 : Suppl. 5, 1-4.

Varki, C., Venkatachalam, P.S., Srikantia, S.G. and Gopalan, C.

(1955). Study of birth weights of infants in relation to the incidence of nutritional edema syndrome

(kwashiorkor). Ind.J.Med.Res. 43, 291-296.

Vaughan, L.A., Weber, C.W. and Kemberling, S.R. (1979).

Longitudinal changes in the mineral content of human milk. Am.J.Clin.Nutr. 32, 2301-2306.

Venkatachalam, P.S., Susheela, T.P. and Rao, P. (1967).

Effect of nutritional supplementation during early infancy on growth of infants.

J. Trop. Pediatr. 13, 70-76.

Vincent, M. and Radnermecker, M.A. (1959).

Histologic investigations of muscle tissue in kwashiorkor.

Am. J. Trop. Med. Hyg. 8, 511-515.

Vishweswara Rao, K. and Singh, B. (1970).

An evaluation of the relationship between nutritional status and anthropometric measurements.

Am. J. ^{clin.} Nutr. 23, 83-93.

Viteri, F.E. (1971).

Considerations on the effect of nutrition on the body composition and physical work capacity of young Guatemalan adults. In: 'Amino acid fortification of protein foods.'

Eds. Scrimshaw, N.S. and Altschul, A.M., Cambridge, M.A. The MIT Press, 350-375.

Vobecky, J.S., Vobecky, J., Shapcott, D., Demers, P.D.,

Cloutier, D., Blanchard, R. and Fisch, C. (1982).

Biochemical indices of nutritional status in maternal, cord and early neonatal blood.

Am. J. Clin. Nutr. 36, 630-642.

Vohr, B.R., Oh, W., Rosenfield, A.G. and Lowett, R.W. (1978).

The pre-term small-for-gestation (SGA) infant : A two year follow-up study. Pediatr. Res., 12, 557.

Vollrath, L. (1969).

Effect of maternal protein deprivation on neonatal intestinal absorption in rats. J. Nutr. 99, 1663-1673.

Warwick, R. and Williams, P.L. (1973).

Gray's Anatomy, 35th ed. Longman.

Watchorn, E. and McCance, R.A. (1932).

Inorganic constituents of cerebro-spinal fluid.

Biochem. J. 26, 54-64.

Waterlow, J.C. and Mendes, C.S. (1975).

Cf: Goldspink, G. and Stickland, N.C. (1981).

In: CRC Handbook of Nutritional requirements in a functional context. Ed. H. Rechigl, Vol. 1.

CRC Press, Florida, pp 269-288.

Whiteside, M.G.B., Ungar, and D.C. Cowling. (1968).

Iron, folic acid and vitamin B₁₂ levels in normal pregnancy and their influence on birth weight and duration of pregnancy. Med. J. Aust. 1, 338.

Widdowson, E.M. (1950).

Chemical composition of newly born mammals.

Nature, 166, 626.

Widdowson, E.M., McCance, R.A. and Spray, C.M. (1951).

The chemical composition of the human body.

Clin. Sci. 10, 113.

Widdowson, E.M. and Spray, C.M. (1951).

Chemical development in utero. Arch. Dis. Child.

26, 205-214.

Widdowson, E.M. and Dickerson, J.W.T. (1960).

The effect of growth and function on the chemical composition of soft tissues. Biochem. J. 77, 30-43.

Widdowson, E.M. and Dickerson, J.W.T. (1964).

Chemical composition of the body. In: Mineral metabolism, Part 28. Eds. C.L. Comar and F. Bonner. Academic Press, New York. pp. 1-247.

Widdowson, E.M. (1968).

Growth and composition of the fetus and newborn.

In: "Biology ~~and~~ of gestation. The fetus and the neonate".

Ed. Assali, N.S. Vol. II. Academic Press, New York.

pp. 1-49.

Widdowson, E.M. (1980).

Chemical composition and nutritional needs of the fetus at different stages of gestation. In: 'Maternal Nutrition during pregnancy and lactation.' Eds. Hugo Aebi and Roger Whitehead. Hans Huber Publishers, Bern Stuttgart.

Vienna, pp. 39-48.

Williams, P.F. and Fralin, F.G. (1942).

Nutrition study in pregnancy. Am. J. Obstet. Gynecol.

43, 1-20.

Wilmer, H.A. (1940).

Changes in the structural components of human body from six lunar months to maturity.

Proc. Soc. Exptl. Biol. Med. 43, 545.

Winick, M. and Noble, A. (1966).

Cellular response in rats during malnutrition at various ages. J. Nutr. 89, 300-306.

Winick, M. and Rosso, P. (1969).

The effect of severe early malnutrition on cellular growth of human brain. Pediatr. Res. 3, 181.

Winick, M. (1970).

Fetal malnutrition and growth processes.

Hosp. Practice May, pp. 33-41.

Winick, M., Rosso, P. and Waterlow, J. (1970).

Cellular growth of cerebrum, cerebellum and brain stem in

- normal and marasmic children. *Exp.Neurol.* 26, 393.
- Winick, M. (1971).
Cellular changes during placental and fetal growth.
Am. J. Obstet. Gynecol. 109, 166.
- Winick, M. (1976).
Malnutrition and brain development.
Oxford University Press, New York.
- Wintrobe, M.M. (1974).
Clinical hematology, 7th ed. Philadelphia, Lea and
Febiger, 1974, 56, 555-556.
- Woodhill, J.M., Van Den Berg, A.S., Burke, B.S. and Steare, F.J.
(1955). Nutrition studies of pregnant Australian
women. *Am.J.Obstet. Gynecol.* 70, 987-1003.
- Woodruff, C.W. and Bridgeforth, E.B. (1953).
Relationship between the hemogram of infant and that
of the mother. *Pediatr.* 12, 681-686.
- Woods, D.L., Malan, A.F., et Van, Schalkwyk, D.J. (1981).
Maternal nutrition and the duration of pregnancy.
S.Afr. Med. J. 59, 756-757.
- Worwood, M. (1977).
The clinical biochemistry of iron. *Sem. Hemat.* 14, 3.
- Yannet, H. and Darrow, D.C. (1938).
The effect of growth on the distribution of water and
electrolytes in brain, liver and muscle.
J. Biol. Chem. 123, 295.

Younoszai, M.K. and Ranshaw, J. (1973).

Gastrointestinal growth in the fetus and suckling
rat pups. Effect of maternal dietary protein.

J. Nutr. 103, 454-461.

Zamenhof, S. and Marthens, E.V. (1982).

Distributions of nutrients between fetal brain and
body during rat development.

Biol. Neonate, 41, 68-73.

Zittoun, J., Biot, I., Hill, C., Zittoun, R., Papierik, E.
and Tchernia, C. (1983).

Iron metabolism versus placebo during pregnancy :
Its effects on iron and folate status on mothers and
newborns. Ann.Nutr. Metab. 27, 320-327.