

References

REFERENCES

- Agus, S.Z.; Gardner, L.B.; Beck, L.H. and Goldberg, M.
(1973):
Effect of parathyroid hormone on renal tubular
reabsorption of calcium, sodium and phosphate. A. J.
Physiol.; 5:1143.
- Albright, F.; and Reifenshtein, E.C. (1948):
The parathyroid glands and metabolic bone disease,
Baltimore, Williams and Wilkins Company.
- Aliapoulios, M.A.; Goldhaber, P. and Munson, P.L. (1969):
Thyrocalcitonin inhibition of bone resorption induced
by parathyroid hormone in tissue culture, Scien.;
151:330.
- Armitage, P. (1971): Statistical Methods in Medical
Research, Blackwell Scientific Publications, London.
- Assali, N.S. (1968):
Biology of gestation, the foetus and neonate, New York,
Vol.2, Academic Press, Inc., pp.25.

Aurback, G.D.; Marx, S.J. and Spiegel, A.M. (1981):

Parathyroid hormone, calcitonin and the calciferols.

In: Textbok of Endocrinology, pp.922. Ed. Williams,

R.H., Saunders W.B. Company, Philadelphia, London,

Toronto.

Ayachi, S. (1979):

Increased dietary calcium lowers blood pressure in the
spontaneously hypertensive rat. Metabol.; 28:1234.

Bagby, S.P.; McDonald, W.J.; and Mass, R.D. (1979):

Serial renin-angiotensin studies in spontaneously
hypertensive and Wistarkyoto normotensive rats.

Hyperten.; 1:347.

Barron, W.M. (1991):

Hypertension in medical disorders during pregnancy.

Lampert RH (ed) Mosby Yearbook Inc. St. Louis.

Barry, G.D. (1977):

Effect of increased dietary calcium on the development
of experimental hypertension. Fed. Proc.; 36:492,
(Abstract).

Belizan, J.M.; Pineda, O.; Sainz, E; Menendez, L.A; and

Villar, J. (1981):

Rise of blood pressure in calcium-deprived pregnant rats. Am. J. Obstet. Gynecol.; 41:163.

Belizan, J.M. and Villar, J. (1980):

The relationship between calcium intake and oedema, proteinuria and hypertension gestosis: An hypothesis.

Am. J. Clin. Nutr.; 133:2202.

Belizan, J.M.; Villar, J.; Zalazar, A.; Rojas, L; Chan, D.

and Bryce, G.F. (1983 b):

Preliminary evidence of the effect of calcium supplementation on blood pressure in normal pregnant women. A. J. Obstet. Gynaecol., 146:175.

Berthelat, A. and Gairard, A. (1976):

Autogreffe parathyroïdienne et evolution de la pression arterielle chez le rat au cours du traitement

mineralocorticoïde. J. Physiol. (Paris); 72:67A.

(English Abstract).

Blaustein, M.P. (1975):

Sodium ions, calcium ions, blood pressure regulation and hypertension: A reassessment and a hypothesis. *Am. J. Physiol.*; 232:165.

Borle, A.B.; and Uchikawa, T. (1978):

Effect of parathyroid hormone on the distribution and transoprt of calcium in cultured kidney cells. *Endocrinol.*; 102:1725.

Braunwald, E. (1982):

Mechanism of actions of calcium-channel blocking agents. *New Engl. J. Med.*, 307:1618.

Brown, I.R.F.; Brooke, O.G.; and Haswell, D.J. (1981):

Vitamin D and plasma magnesium in pregnancy. *Clin. Chem. Acta*; 111:109.

Bruck, E.; and Weintraub, D.H. (1955):

Serum calcium and phosphorus in premature and full-term infants. *Am. J. Dis. Child*; 90:653.

Cantarow, A.; Stuckert, H.; and Davis, R.C. (1933):

The chemical composition of amniotic fluid. *Surg. Gynaecol. Obstet.*; 57:63.

Chaudhuri, S.K. (1969):

Calcium deficiency and toxemia of pregnancy. J. Obstet. Gynecol; 19:313.

Chausmer, A.B.; Sherman, B.S.; and Wallach, S. (1972):

The effect of parathyroid hormone on hepatic cell transport of calcium. Endocrinol.; 90:633.

Chesley. L.C.; Lindheimer, M.D. (1988):

Renal hemodynamics and intravascular volume in normal and hypertensive pregnancy, in Rubin PC. (ed): Handbook of hypertension: vol. 10, hypertension in pregnancy. Amsterdam, Elsevier Science Publishers, pp. 38-65.

Chun, D.; Braga, C.; Chow, E.; and Lok, L. (1964):

Clinical observations on some aspects of hydatidiform moles. J. Obstet. Gynaecol. ; 71:180.

Clements, J.A.; Reyes, F.I.; Winter, J.S.D; and Fainian, C. (1976):

Studies on human sexual development. III. Foetal pituitary and serum and amniotic fluid concentrations of L.H., C.G. and F.S.H. J. Clin. Endocrinol. Metab.; 42:9.

Copp, D.H.; Cockcroft, D.W.; and Kuch, Y. (1967):

Calcitonin from ultimobranchial glands of dogfish and chickens. *Sci.*, 158:924.

Croley, T.E. (1973):

Am. J. Obstet. Gynecol.; 117:926, Quoted from Pitkin, R.M. (1975): Calcium metabolism in pregnancy: A review. *Am. J. Obstet. Gynecol.*; 121:735.

Cruikshank, D.P.; Pitkin, R.M.; Reynolds, W.A.; Williams, G.A.; and Hargis, G.K. (1980):

Calcium-regulating hormones and ions in amniotic fluid. *Am. J. Obstet. Gynecol.*; 136:621.

Cushard, W.G.Jr.; Creditor, M.A.; Canterbury, J.M. and Reiss, E. (1972):

Physiologic hyperparathyroidism in pregnancy. *J. Clin. Endocrinol. Metab.*; 34:767.

David, L.; and Anast, C.S. (1974):

Calcium metabolism in newborn infants. The interrelationship of parathyroid function and calcium, magnesium and phosphorus metabolism in normal, "sick", and hypocalcemic newborns. *J. Clin. Invest.*; 54:287.

- De Alvarez, R.R.; Alfonso, J.F.; and Sherrard, D.J. (1961):
Serum protein fractionation in normal pregnancy. Am. J. Obstet. Gynecol. 82:1096.
- Delivoria-Papadopoulos, M.; Battaglia, F.C.; Bruns, P.D. and Meschia, G. (1967):
Total protein-bound and ultrafilterable calcium in maternal and fetal plasma. Am. J. Physiol.; 213:363.
- De Luca, H.F. (1979):
Vitamin D metabolism and function. Monographs on Endocrinology, Springer-Verlag, New York.
- Dent, C.E.; and Gupta, M.M. (1975):
Plasma 25-hydroxyvitamin D levels during pregnancy in Caucasians and in vegetarian and non-vegetarian Asians, Lancet; 2:1057.
- Devynck, M.A.; Pernollet, M.G.; Nunez, A.M. and Meyer, P. (1981):
Analysis of calcium handling in erythrocyte membranes of genetically hypertensive rats. Hypert.; 3:397.

Dorey, L.G.; and Gell, J.W. (1975):

Primary hyperparathyroidism during the third trimester of pregnancy. J. Obstet. Gynecol.; 45:469.

Drake, T.S.; Kaplan, R.A. and Lewis, T.A. (1979):

The physiologic hyperparathyroidism of pregnancy. Is it primary or secondary J. Obstet. Gynecol.; 53:746.

El-Didl, H.M.A. (1986):

The clinical and biochemical effects of maternally administered MgSO₄ on the mother and the newborn. (M.D. Thesis). Faculty of Medicine, Cairo University.

El-shazly, A.H.; Bassunoy, B.A.; Hafez, T.A. and El-Nahas, M.R. (1975):

Maternal and foetal serum calcium and phosphate levels in normal and abnormal pregnancy. J. Egyp. Med. Assoc.; 58:127.

Erne, P.; Bolli, P.; Burgisser, E. and Buhler, F.R. (1984):

Correlation of platelet calcium with blood pressure, effect of anti-hypertensive therapy. New Engl. J. Med.; 310:1084.

Exton, J.H. (1981):

Mechanisms involved in alpha-adrenergic effects of catecholamines. In: Kunos, G.; (ed.) Adrenoceptors and catecholamine action. New York: John Wiley, pp. 117.

Fairney, A.; Jackson, D. and Clayton, B.E. (1973):

Measurement of serum parathyroid hormone, with particular reference to some infants with hypocalcemia. Arch. Dis. Child,; 48:419.

Fleischman, A.R.; Lerman, S.; Oakes, G.K.; Epstein, M.F.;

Chez, R.A.; and Mintz, D.H. (1975):

Perinatal primate parathyroid hormone metabolism. Biol. Neon.; 27:40.

Gallagher, J.C.; Riggs, B.L.; Hamstra, A. and De Luca, H.F.

(1978):

Effect of oestrogen therapy of calcium absorption and vitamin D metabolism in postmenopausal osteoporosis. Clin. Res.; 26:415.

Gant N.F., Chand S., Worley R.Y., Whalley P.J., Grosby U.D.,
and Mac Donald P.C.; (1974):

A clinical test useful for predicting the development of
acute hypertension in pregnancy. Am J. Obstet Gynecol.;
120:1.

Garel, J.M.; Milhand, G. and Sizonenks, P.C. (1969):

Thyrocalcitonin et barriere placentaire chez le rat.
C.R. Acad. Sci. (D) (Paris); 269:1785, (Engl.
Abstract).

Givens, M.H. and Macy, I.G. (1933):

Chemical composition of human foetus. J. Biol. Chem.;
102:7.; Quoted from Drake, T.S.; Kaplan, R.A. and
Lewis, T.A. (1979). The physiologic hyperparathyroidism
of pregnancy. Is it primary or secondary? J. Obstet.
Gynecol.; 53:746.

Grobecker, H.; Roizen, M.F.; Weise, V.; Saavedra, J.M. and
Kopin, I.J. (1975):

Sympathoadrenal medullary activity in young,
spontaneously hypertensive rats. Nature, (London);
258:267.

Haeusler, G. and Furch, L. (1972):

Vascular resistance and reactivity to various vasoconstrictor agents in hypertensive rats. In Spontaneous hypertension, edited by: Okamoto, K., Tokyo; Igaku Shoin Ltd, pp;97.

Hallback, M. and Folkow, B. (1974):

Cardiovascular responses to acute mental stress in spontaneously hypertensive rats. Acta. Physiol. Scand., 90:684.

Hays, P.M.; Cruikshank, D.W.; Dunn, L.J. (1985):

Plasma volume determination in normal and pre-eclamptic pregnancies. Am. J. Obstet. Gynecol; 151:958-66.

Heaney, R.P. and Skillman, T.G. (1971):

Calcium metabolism in normal human pregnancy. J. Clin. Endocrinol. Metab.; 33:661.

Hillman, L.S.; Slatopolsky, E. and Haddad, J.G. (1978):

Perinatal vitamin D metabolism. IV: Maternal and cord serum 24,25-dihydroxyvitamin D concentrations. J. Clin. Endocrinol. Metabo.; 47:1073.

Holloway, E.T. and Bohr, D.F. (1973):

Reactivity of vascular smooth muscle in hypertensive rats. *Circ. Res.*; 33:678.

Howarth, A.T.; Margan, D.B. and Payne, R.B. (1977):

Urinary excretion of calcium in late pregnancy and its relation to creatinine clearance. *Am. J. Obstet. Gynecol.*; 129:499.

Hughes (1972): *Obstetric-Gynecologic Terminology*, Philadelphia, Davis, 1972.

Hyttén, F.E. and Leitch, I. (1971):

The physiology of human pregnancy. (2nd ed.) Oxford, Blackwell Scientific publications, pp. 368-416-449.

Jeffcoate, T.N.A. and Scott, J.S (1959):

Some observations on the placental factors in pregnancy toxemia. *Am. J. Obst. Gynecol.*, 77:475.

Johnell, H.E. and Nilsson, B.A. (1971):

Oxygen tension, acid-base status and electrolytes in human amniotic fluid. *Acta. Obstet. Gynaecol. Scand.*; 50:183.

- Johnson, N.E.; Smith, E.L.; and Freudenheim, Jo.L (1985):
Effects on blood pressure of calcium supplementation of
women. *Am. J. Clin. Nutr.*, 42:12-17.
- Kawasaki N., Matsui K., Ito M.; Nakamura T., Yoshimura T,
Ushijima H., & Maeyama M (1985):
Effect of calcium Supplementation on the vascular
sensitivity to angiotensin II in pregnant women. *Am J.*
Obstet Gynecol; 153, 576-582.
- Kesteloot, H. and Geboers, J. (1982):
Calcium and blood pressure. *Lancet*; 1:813.
- Klein, L.R. and Yen, S.S.C. (1970):
Urinary peptide hydroxyproline before and during
postpartum involution of human uterus. *Metab.*; 19:19.
- Krukowski, M. and Lehr, D. (1963):
Parathyroid hormone and the placental barrier, *Arch.*
Int. Pharmacodyn. Ther.; 146:245.
- Laake, H. (1959):
Acta Med. Scand.; 165:71, Quoted from Pitkin, R.M.
(1975). Calcium metabolism in pregnancy: A review, *Am.*
J. Obstet. Gynecol.; 121:735.

Lafferty, F.W. (1981):

Primary hyperparathyroidism: Changing clinical spectrum, prevalence of hypertension and discriminant analysis of laboratory tests. Arch. Intern. Med.; 141:1761.

Leroyer-Alizon, E.; David, L. and Dubois, P.M. (1980):

Evidence for calcitonine in the thyroid gland of normal and anencephalic human fetuses: Immunocytological localization, radioimmunoassay and gel filtration of thyroid extracts. J. Clin. Endocrinol. Metab.; 50:316.

Lindheimer, M.D. and Katz A.I (1990):

The kidney and hypertension in pregnancy, in Brenner B.M., Rector F C Jr (eds): the kidney, ed 4. Philadelphia, W.B. Saunders Co.

Lopez-Jaramillo. P., M.Narvaez, R.M. Weigell, R. Yepez; (1989):

Calcium supplementation. reduces the risk of pregnancy induced hypertension in an Andes population. Br. J. Obstet. Gynecol. 96:648.

Marya R.K., Rathees. and Manrow M. (1987):

Effect of calcium and vitamin D supplementation on
toxaemia of pregnancy. Gynecol. Obstet Invest 24, 38-
42.

Mawer, E.B. (1980):

Clinical implications of measurements of circulating
vitamin D metabolites. Clin. Endocrinol. Metab.; 9:63.

McCarron, D.A. (1982):

Low serum concentrations of ionized calcium in
patients with hypertension. New Engl. J. Med.; 307:226.

McCarron, D.A.; Morris, C.D. and Cole, C. (1982):

Dietary calcium in human hypertension. Sci.; 217:267.

Mc Carron, D.A.; Yung, N.N.; Ugoretz, B.A. and Krutzik, S.

(1981):

Disturbances of calcium metabolism in the spontaneously
hypertensive rat. Hypert.; 3 (supp. I):I-167.

Mullins, M.M. and Banks, R.O. (1976):

Age-related changes in Na⁺ excretion in saline-loaded
spontaneously hypertensive rats. Am. J. Physiol.;
231:I364.

Neumark, J. (1979):

Pathophysiologie im Flüssigkeits-und Elektrolythaushalt bei EPH-Gestosen; in Anerswald, Baumgarten, Thalhammer, Die EPH-Gestose, Probleme der perinatalen Medizin (Maudrich, Wein, 1979). Quoted from Woloszczuk, W.; Kovarik, J. and Pavelka, P. (1981). Calcitonin in pregnant women and in cord blood. J. Gynecol. Obstet. Invest.; 12:276.

Newman, R.L. (1953):

Further observations on serum calcium and phosphorus in pregnancy. Am. J. Obstet. Gynecol.; 64:796.

Northrop, G.; Misenheimer, H.R. and Becker, F.O. (1977):

Failure of parathyroid hormone to cross the nonhuman primate placenta. Am. J. Obstet. Gynecol.; 129:449.

Nusbaum, M.J. and Zettner, A. (1973):

The content of calcium, magnesium, copper, iron, sodium and potassium in amniotic fluid from eleven to nineteen weeks' gestation. Am. J. Obstet. Gynecol.; 115:219.

Oblson, M.A. and Stearns, G. (1959):

Calcium intake of children and adults. Feder. Proc.; 18:1076.

Ohara, N.; Yamasaki, M.; Morkawa, H.; Ueda, Y. and

Mochizuki, M. (1986):

Dynamics of calcium metabolism and calcium regulating hormones in pregnancy-induced hypertension. Nippon Naibunpi Gakkai Zasshi; 62 (8):882. (Abstract).

Owen, N.E.; Feinberg, H. and Le Breton, G.C. (1980):

Epinephrine induces Ca^{2+} uptake in human blood platelets. Am. J. Physiol.; 239:H 483.

Pak, C.Y.C. (1971):

Parathyroid hormone and thyrocalcitonine: Their mode of action and regulation. Ann. N.Y. Acad. Sci.; 179:450.

Pedersen, E.B. ; Johnnesen, P.; Kristensen, S.; Rasmussen,

A.B.; Emmertsen, K.; Miller, J.; Lauritsen, J.G. and Wohler, M. (1984):

Calcium, parathyroid hormone and calcitonine in normal pregnancy and pre-eclampsia. Gynecol. Obstet. Invest.; 18:(3):156.

Pitkin, R.M. (1975):

Calcium metabolism in pregnancy: A review. Am. J. Obstet. Gynecol.; 121:724.

Pitkin, R.M. (1985):

Calcium metabolism in pregnancy and the perinatal period. A review. Am. J. Obstet. Gynecol.; 151(1):99.

Pitkin, R.M.; Cruikshank, D.P.; Schauburger, C.W.; Reynolds, W.A.; Williams, G.A. and Hargis, G.K. (1980):

Fetal calcitropic hormones and neonatal calcium homeostasis. Ped.; 66:77.

Postnov, Y.; Orlov, S.; Gulak, P. and Shevchenko, A. (1976):

Altered permeability of the erythrocyte membrane for sodium and potassium ions in spontaneously hypertensive rats. Pflugers Arch.; 365:257, Quoted from Erne, P.; Bolli, P.; Burgisser, E. and Buhler, F.R. (1984). Correlation of platelet calcium with blood pressure, effects of anti-hypertensive therapy. New Engl. J. Med., 310:1088.

Ramsay, I. (1980):

Metabolic bone disease in a synopsis of endocrinology and metabolism. John Wright and Sons LTD 2nd Ed. London pp. 100-121.

Reitz, R.E; Daane, T.A., Woods, J.D., and Weinstein, R.I. In fourth international congress of endocrinology, Washington, D.C. Amsterdam, 1972. International Congress series No. 256, Excerptz Medical Fundation, p. 208.

Reitz, R.E.; Daane, T.A.; Woods, J.R. and Weinstein, R.L. (1977):
Calcium, Magnesium, phosphorus and parathyroid hormone interrelationships in pregnancy and newborn infants. Obstet. Gynecol.; 50:701.

Reuter, H. (1983):
Calcium channel modulation by neurotransmitters, enzymes and drugs. Nature; 301:569.

Richards, S.R.; Nelson, D.M. and Zuspan, F.P. (1984):
Calcium levels in normal and hypertensive pregnant patients. Am. J. Obstet. Gynecol.; 149:168.

Root, A.; Gruskin, A. and Rober, R.M. (1974):
Serum concentrations of parathyroid hormone in infants, children and adolescents. Ped.; 85:329.

Rosenthal, F.D. and Roy, S. (1972):

Hypertension and hyperparathyroidism. Br. Med. J.;
4:396.

Samaan, N.A.; Anderson, G.D. and Adam-mayne, M.E. (1975):

Immunoreactive calcitonine in the mother, neonate,
child and adult. Am. J. Obstet. Gynecol.; 121:622.

Samaan, N.A.; Gastillo, S. and Wigoda, C. (1973a):

Human serum calcitonine and parathyroid hormone levels
in the maternal, umbilical cord blood and postpartum.
In proceedings of the fourth international symposium on
endocrinology. London, William Heinemann, Ltd,
pp.364:372.

Samaan, N.A.; Castillo, S. and Wigoda, C. (1973b):

Presented at the fifty-fifth annual meeting of the
endocrine society, Chicago, 1973. Quoted from Pitkin,
R.M. (1975). Calcium, metabolism in pregnancy: A
review. J. Obstet. Gynecol.; 121:735.

Schauberger, C.W. and Pitkin, R.M. (1979):

Maternal-perinatal calcium relationships. J. Obstet.
Gynecol.; 52:74.

Schneider, E.G. (1975):

Effect of parathyroid hormone secretion on sodium reabsorption by the proximal tubule. *Am. J. Physiol.*; 229:I 170.

Shami, Y. and Radde, I.C. (1971):

Calcium-stimulated ATPase of guinea pig placenta. *biochem. Biophys. Acta.*; 249:345.

Sharrett, A.R. and Feinleib, M. (1975):

Water constituents and trace elements in relation to cardiovascular disease. *Rev. Med.*; 4:20.

Spanas, E.; Barrett, D.; McIntyre, I.; Pike, J.W.; Safilian, E.F. and Haussler, M.R. (1978):

Effect of growth hormone on vitamin D metabolism. *Nature*; 273:246.

Steichen, J.J.; Tsang, R.C.; Gratton, T.L.; Hamstra, A. and De Luca, H.F. (1980):

Vitamin D homeostasis in the perinatal period. 1,25-dihydroxyvitamin D in maternal, cord and neonatal blood. *New Engl. J. Med.*; 302:315.

Stevenson, J.C.; Hillyard, C.J.; MacIntyre, I. and

Whitehead, I.M. (1979):

A physiological role for calcitonin: protection of the maternal skeleton. *Lancet*; i:769.

Strazzullo, P.; Nunziata, V.; Cirillo, M.; Giannattasio, R.;

Ferrara, L.A.; Mattiolo, P.L. and Mancini, M. (1983):

Abnormalities of calcium metabolism in essential hypertension. *Clin. Sci.*; 65:137.

Studd, J.W.W.; Shaw, R.W.; and Bailey, D.E. (1972):

Maternal and fetal serum protein concentrations in normal pregnancy and pregnancy complicated by proteinuria pre-eclampsia. *Am. J. Obstet. Gynecol.*; 114:582.

Tan, C.M.; Raman, A.; and Sinnathayray, T.A. (1972):

Serum ionic calcium levels during pregnancy..*J. Obstet. Gynaecol. Br. Comm.*; 79:694.

Theobald, G.W. (1932):

The toxemias of pregnancy. Dieckmann, W.J. (ed.). St. Louis, Mosby. C.V., Co.

Varner, M.W.; Cruikshank, D.P. and Pitkin, R.M. (1983):

Calcium metabolism in the hypertensive mother, foetus and newborn infant. *Am. J. Obstet. Gynecol.*; 147:762.

Villar J., Repke J., Bellizan J.M. & Pareja G.; (1987):

Calcium supplementaion reduces blood pressure during pregnancy: Results of a randomized controlled clinical trial. *Am. J. Obstet Cynecol.* 70:317-322.

Walters, R.N.J. and Redman, C.W.G. (1984):

Treatment of severe pregnancy-associated hypertension with the calcium antagonist nifedipine. *Brit. J. Obstet. Gynecol.*; 91:330.

Wandrup, J.; Kjer, J.J.; Thode, J. and Siggaard-Andersen O. (1982):

The concentration of free calcium ions and total calcium in pregnancies at term. *Scand. J. Clin. Lab. Invest.*; 42:273.

Wei, J.W.; Janis, R.A. and Daviel, E.E. (1976):

Studies on subcellular fraction from mesenteric arteries of spontaneously hypertensive rats: Alterations in both calcium intake and enzyme activaties. *Bl. Vess.*; 13:293.

Weiss, P.A.M.; Lichtenegger, W.; Winter, R. and Purstuer, P.

(1978):

Insulin levels in amniotic fluid. Mangement of pregnancy in diabetes. Obstet. Gynecol.; 51:393.

Wezeman, F.H. and Reynolds, W.A. (1971):

Stability of foetal calcium levels and bone metabolism after maternal administration of thyrocalcitonin.

Endocrinol.; 89:445.

White head, M.; Lane, G.; Young, O.; Campbell, S.; et al.,

(1981):

Interrelations of calcium-regulating hormones during normal pregnancy. Br. Med. J. 282:10.

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

Chemical development in utero. Arch. Dis. Child.; 26:205.

Woloszczuk, W.; Kovarik, J. and Pavelka, P. (1981):

Calcitonine in pregnant women and in cord blood. Gynecol. Obstet. Invest.; 12:272.