

CONTENT

Exophthalmic Goiter	1
Cretinism and Myxedema	7
Endemic Goiter:	
General problem	13
Experimental	14
Etiology and Pathogenesis	15
Diagnosis	18
Prevention	20
Treatment	21
Radioactive Iodine	22

EXOPHTHALMIC GOITER

-14-

Marsin, A.S.

Constitutional entity of exophthalmic goiter and so-called toxic adenoma.

Ann. Int. Med. 2:553 p. 1928

Incompte, P.

Width of adrenal cortex in symptomatic Leukemia, lymphosarcoma, and hyperthyroidism.

J. Clin. Endoc. 9:158 p. 1949

Willins, F.A.

Heart in exophthalmic goiter and adenoma with hyperthyroidism

Med. Clin. North Amer. 7:109 p. 1923.

Kepler, E.J.

Congestive heart failure and hypertrophy in hyperthyroidism.

Amer. Heart J. 8:102 p. 1932

Friedberg, C.K.

Cardiac hypertrophy in Graves' Disease.

Amer. Heart J. 13:599 p. 1937

Parkinson, H.

Size and shape of heart in goiter.

Quar. J. Med. 24:199 p. 1931

Teller, C.V.

Cardiac histopathology in thyroid disease.

Amer. Heart J. 6:8 p. 1932

Tris, W.

Question of specific myocardial lesion in hyperthyroidism.

Amer. J. Pathology. 8:255 p. 1932

Teller, C.V.

Hepatic pathology in exophthalmic goiter.

Ann. Int. Med. 7:500 p. 1933

Beaver, D.C.

Pathologic anatomy of liver in exophthalmic goiter.

Ann. Int. Med. 7:687 p. 1933.

Cameron, G.R.

Liver changes in exophthalmic goiter.

J. Path. and Bacter. 41:207 p. 1935

Shaffer, J.H.

Diseases of the liver in hyperthyroidism.

Arch. Path. 29:20 p. 1940

Piper, J.

Liver biopsy in thyrotoxicosis.
Acta Med. Scandinavia. 127:137 p. 1947

Lerman, J.

Cardiovascular symptomatology in exophthalmic goiter.
Amer. Heart J. 3:56 p. 1932.

Maffziger, H.C.

Progressive exophthalmos after thyroidectomy.
West J. Surg. 40:530 p. 1932

Ludwig, A.W.

Role of mucopolysaccharides in pathogenesis of experimental exophthalmos.
exophthalmos.
Proc. Soc. Exper. Bio. and Med. 73:137 p. 1950

Watson, T.M.

Mucopolysaccharide content of skin in localized (pretibial)
myxedema.
Amer. J. Clin. Path. 19:442 p. 1949

Vilanova, K.

Myxedema circumscriptum thyrotoxicum.
J. Clin. Endoc. 9:883 p. 1949

Morgans, H.E.

Seasonal variations in thyrotoxicosis.
Lancet 2:1083 p. 1949

Youmans, J.B.

Changes in skin in thyrotoxicosis.
Amer. J. Med. Sci. 121:681 p. 1931

Roberts, E.

Quantitative study of cutaneous capillaries in hyperthyroidism.
Amer. Heart J. 14:598 p. 1937

Fullerton, C.W.

Cardiac output in hyperthyroidism.
Bull. J. Hopk. Hosp. 46:203 p. 1930

Doss, F.P.

Heart rate during sleep in graves disease and in neurogenic
sinus tachycardia.
Amer. Heart J. 8:24 p. 1932

Stewart, H.J.

Peripheral blood flow in hyperthyroidism.
Amer. Heart J. 20:715 p. 1940.

Briard, S.P.

Cost of work in patients with hypermetabolism due to
leukemia and exophthalmic goiter.
Arch. Int. Med. 56:30 p. 1935

Boothby, W.H.

Increase in circulation rate produced by exophthalmic
goiter.
Arch. Int. Med. 55:507 p. 1935

Rabinowitch, I.H.

Vital capacity in hyperthyroidism.
Arch. Int. Med. 31:910 p. 1923

Ernstens, A.C.

~~Cardiovascular complication of hyperthyroidism.~~
Amer. J. Med. Sci. 195:248 p. 1938

Barber, F.S.

Auricular fibrillation in Graves' disease.
Amer. Heart J. 8:121 p. 1932

Gordon, G.

Electrocardiographic features associated with hyper-
thyroidism.
Arch. Int. Med. 73:448 p. 1944.

Jahey, F.H.

Postoperative end results in thyrocardiacs.
Amer. J. Surg. 24:225. 1934.

McCullagh, R.P.

Blood picture in hyperthyroidism and in hypothyroidism
J. Lab. and clin. med. 17:1060 p. 1931

Hertz, S.

~~Blood picture in exophthalmic goiter~~
J. Clin. Invest. 11:1179 p. 1932

Lerman, J.

~~Gastric secretion~~ in exophthalmic goiter and myxedema.
J. Clin. Invest. 11:167 p. 1932

Perryhill, W.E.

Gastric secretion in hyperthyroidism before and after
operation.
J. Clin. Invest. 11:753 p. 1932

Cattell, R.B.

Management of hyperthyroidism. Penn. M. J. 44:685 p. 1941

Dunley, H.F.

Psychic manifestations associated with hyperthyroidism.
Am. J. Psychia. 91:1215 p. 1935

Brain, W.R.

Exophthalmic ophthalmoplegia.
Quar. J. Med. 7:293 p. 1938

Rundle, F.F.

Ophthalmoplegia in Graves' disease.
Clin. Science. 5:17 p. 1944

Sheldon, J.H.

Acute thyrotoxic myopathy.
Lancet. 1:342 p. 1946

Brunton, C.

Exophthalmos. Physiological Rev. 29:260 p. 1949

Woods, A.C.

Ocular changes of primary diffuse toxic goiter.
Medicine. 25:113 p. 1946

Morgan, H.J.

Muscular atrophy and weakness in thyrotoxicosis.
South. Med. J. 33:261 p. 1940

Dungeon, L.S.

Lymphorrhages in muscle in exophthalmic goiter.
Brain. 49:182 p. 1926

Cohen, S.J.

Myasthenia Gravis and exophthalmic goiter.
Arch. Neuro. and Psychiat. 28:1338 p. 1932

Thorn, G.W.

Chronic thyrotoxic myopathy.
Am. J. M. 1:563 p. 1946

Howell, T.B.

Ocular signs in cases of goiter.
J.A.M.A. 92:35 p. 1929

Plummer, W.A.

Etiology of exophthalmos.
Arch. Ophthal. 13:333 p. 1935

Cattell, R.B.

- Eye complications in exophthalmic goiter.
Ann. Surg. 100:284 p. 1934
- Bron, A.
Exophthalmos in goiter.
Am. J. Ophthalm. 5:609 p. 1922
- Milvart, J.H.
Exophthalmos of hyperthyroidism.
Am. J. Ophthalmology. 27:589 p. 693 p. 820 p. 1941
- Ginsburg, S.
Postoperative progressive exophthalmos with low basal metabolic rate.
Ann. Int. Med. 13:444 p. 1939
- Heuer, G.J.
Cerebral nerve disturbances in exophthalmic goiter.
Am. J. Med. Sci.
- Jensen, V.A.
Malignant exophthalmos after strumectomy.
Acta Ophthalm. 18: 1 p. 1940
- Thomas, H.H.
Progressive exophthalmos following thyroidectomy.
Bull. J. Hosp. Hos. 59:99 p. 1936
- Marine, D.
Experimental exophthalmos and associated myopathy induced by thyrotropic extract.
Acta Ophthalm. 18:1167 p. 1940
- Haffziger, H.C.
Progressive exophthalmos associated with disorders of the thyroid gland. Ann. Surg. 108:529 p. 1938
- Soley, H.H.
Exophthalmos in patients with goiter.
Arch. Int. Med. 70:206 p. 1942.
- Snelser, G.K.
Experimental production of exophthalmos resembling that found in Graves' Disease.
Proc. Soc. Exper. Bio. Med. 35:128 p. 1936
- Paulson, D.L.
Experimental exophthalmos in Guinea pig.
Proc. Soc. Exper. Bio. Med. 35:128 p. 1936
- Snelser, G.K.

Histology of orbital and other fat deposits in animals with experimentally produced exophthalmos.

Am. J. Ophthal. 22:1201 p. 1939

Jeffries, W.M.

Relationship of thyrotoxic, exophthalmic and fat mobilizing principles of pituitary extract.

J. Clin. Endocr. 9:213 p. 1950

Fraser, R.V.

Colorimetric assay of 17-Ketosteroids in urine.

J. Clin. Endoc. 1:234 p. 1941

Marine, D.

Effect of androgens on exophthalmos in rabbits.

Proc. Soc. Exper. Bio. med. 38:353 p. 1938

Morrison, H.

Familial incidence of hyperthyroidism.

New Eng. J. Med. 199:85 p. 1928

Stallard, H.B.

Exophthalmic ophthalmoplegia with thyrotoxicosis.

Brit. J. Ophthal. 20:612 p. 1936

Zonask, H.

Thyrotropic exophthalmos.

B.M.J. 1:836 p. 1945

Wandeville, F.P.

Röntgen therapy of orbital-pituitary portals for progressive exophthalmos following subtotal thyroidectomy.

Radiology 41:268 p. 1943

Sanger, B.J.

Glucose mobilization rate in hyperthyroidism.

Arch. Int. Med. 30:397 p. 1922.

John, H.J.

Repeated glucose tolerance tests in hyperthyroidism.

J. Clin. Endoc. 2:204 p. 1942

Javert, C.T.

Hyperthyroidism in pregnancy.

Am. J. Obs. Gyn. 39:954 p. 1940

Portis, B.

Hyperthyroidism associated with pregnancy.

J.A.M.A. 113: 895 p. 1939

CRETINISM

-74-

Huxthal, L.M.

Cretinism.

Med. Clin. North. Amer. 32:127 p. 1948

Wilkins, L.

Hypothyroidism in childhood.

J. Clin. Endoc. 1:98 p. 1941

Wilkins, L.

Effect of thyroid on creatine metabolism.

J. Clin. Investigation. 25:360 p. 1946

Wilkins, L.

Hypothyroidism in childhood.

J. Clin. Endoc. 1:3 p. 1941. 14 p. 1941.

Burch, H.

Mental development of congenitally hypothyroid children.

Am. J. Dis. Child. 67:205 p. 1944.

Lerman, J.

Two sporadic cretinous brothers with goiter.

Ann. Int. Med. 25:677 p. 1946

Wilkins, L.

Hypothyroidism in childhood. III. Effect of withdrawal of thyroid upon serum cholesterol. Relationship of cholesterol basal metabolic rate, weight and clinical symptoms.

J. Clin. Endoc. 1:91 p. 1941

McGavack, T.H.

Management of myxedematous patient with symptoms of cardiovascular disease.

Am. Heart J. 29:421 p. 1945.

Kerley, C.G.

End results in the cretin.

Arch. Pediat. 57:432 p. 1940

Parkin, G.

Pregnancy occurring in cretinism and in juvenile and adult myxedema.

J. Clin. Endoc. 3:466 p. 1943

Goodkin, R.

Hypothyroidism in infants and children.

New Eng. J. Med. 224:722 p. 1941

Man, E.B.

Serum precipitable iodines in recognition of cretinism

and in control of thyroid medication.
J. Pediatr. 31:154 p. 1947

Wilkins, L.
Epiphyseal dysgenesis associated with hypothyroidism.
Am. J. Dis. Child. 61:13 p. 1941

Hamilton, J.G.
Radioactive iodine studies in childhood hypothyroidism.
Am. J. Dis. Child. 66:495 p. 1943

Wilkins, L.
Rates of growth, osseous development and mental development in
cretins as guide to thyroid treatment.
J. Pediatr. 12:429 p. 1938

Murray, G.R.
Treatment of myxoedema by hypodermic injections of extract
of thyroid gland.
B.M.J. 2:796 p. 1891.

Mott, F.T.
Changes in central nervous system in hypothyroidism.
Proc. Roy. Soc. Med. 10:51 p. 1917

Wilkins, L.
Hypothyroidism in childhood.
J. Clin. Endoc. 1:91 p. 1911

Ingalls, T.H.
Mongolism.
Am. J. Dis. Child. 73:279 p. 1947

Talbot, N.B.
Serum phosphate as aide in diagnosis of cretinism and
juvenile hypothyroidism.
Am. J. Dis. Child. 62:273 p. 1941

Jonas, G.E.S.
Effect of thiouracil hypothyroidism on reproduction in the rat.
Endocrinology 38:337 p. 1946

Hughes, D.M.
Cretinism in rats induced by thiouracil.
Endocrinology. 34:69 p. 1944

Dorff, G.B.
Sporadic cretinism in one of twins.
Am. J. Dis. Child. 48:1316 p. 1934

Gordon, M.T.

Childhood myxedema or so-called cretinism in North America.
Endocrinology. 6:234 p. 1922.

Ellins, L.

Hypothyroidism in children.
J.A.M.A. 116:2159 p. 1941

Laloe, J.S.

Myxedema heart.
Ann. Int. Med. 18:332 p. 1943

Maryullo, E.P.

Myxedema with multiple serous effusions and cardiac involvement. Amer. Heart J. 17: 368 p. 1939

Reuter, H.

Skin in myxedema. Arch. Derm. & Syph. 24:55 p. 1931

Schwartz, H.J.

Circumscribed myxedema.
Arch. Derm. & Syph. 43:375 p. 1941

Watson, E.H.

Mucopolysaccharide content of skin in localized (pretibial) myxedema. Am. J. Clin. Path. 17:507 p. 1947

Fahr, G.

Myxedema heart.
Amer. Heart J. 8:91 p. 1933

Holzman, J.E.

Myxedema heart.
Am. Heart J. 4:351 p. 1948

Bornstein, N. Adult hypothyroidism and myxedema.

New Orleans Med. Surg. 100:374 p. 1948

Higgins, H.L.

Dwarfism.
New Eng. J. Med. 214:148 p. 1936

Ayman, D.

"Myxedema heart" without evidence of cardiac insufficiency.
J.A.M.A. 98:1721 p. 1932

Thacher, C.

Electrocardiogram in myxedema.
Am. J. Med. Sci. 171: 61 p. 1926

Ohler, W.P.

- McFarland, T.H.
Cardiac failure in myxedema.
J. Clin. Endoc. 4:427 p. 1944
- Aarseth, S.
Myxedema heart and other cardiac symptoms in hypothyroidism.
Nord. Med. 37:62 p. 1948
- Mussio-Fournier, J.C.
Myxedematous dropsy.
J. Clin. Endocr. 6:758 p. 1946
- Higgins, W.H.
Heart in myxedema.
Am. J. Med. Sci. 191:80 p. 1936
- Lange, K.
Capillary permeability in myxedema.
Amer. J. Med. Sci. 208:5 p. 1944
- Stewart, H.J.
Circulation in patients suffering from spontaneous myxedema.
J. Clin. Invest. 17:237 p. 1938
- Schalchmick, A.
Volume changes in functional divisions of total body water following therapy in hypothyroidism with pericardial effusion.
Am. J. Med. 6:504. 1949
- Thompson, W.O.
Incidence of hypertension in toxic goiter and in myxedema.
Endocr. 15:265 p. 1931
- Blumgart, H.L.
Treatment euthyroid cardiac patients by producing myxedema with radioactive iodine.
Proc. Soc. Exper. Bio. Med. 67:190 p. 1948
- Peel, A.A.F.
Anginal pain in Myxedema.
Brit. Heart J. 5:89 p. 1943
- Zonder, H.
Anginal symptoms arising from hypothyroidism.
Lancet. 2:310 p. 1941
- Schnitzer, R.O.
Myxedema with pericardial effusion.
Brit. Heart J. 8:25 p. 1946

- Bonford, R.
Anemia in myxedema.
Quar. J. Med. 7:495 p. 1938
- Lerman, J.
Anemia of myxedema.
Endocrinology 16:533 p. 1932
- Stern, B.
Hematological studies in hypothyroidism following total thyroidectomy.
J. Clin. Invest. 15:633 p. 1936
- Means, J.H.
Coexistence of myxedema and pernicious anemia.
New Eng. J. Med. 204:243 p. 1931
- Corcoran, A.C.
Renal functions in hyperthyroidism and myxedema.
J. Clin. Endoc. 7:801 p. 1947
- Beaumont, G.E.
Renal function in myxedema.
B.M.J. 2:578 p. 1943
- Weil, A.
Chemical constitutions of brain, kidneys, and heart of white rats in experimental hypothyroidism.
Endocr. 29:219 p. 1941
- Uyenatsu, S.
Myxedematous psychosis.
Arch. Neuro. & Psychia. 3:252 p. 1920
- Fournier, J.C.
Myxedema with delayed closure of epiphyses in sexually mature women. J. Clin. Endoc. 8:482 p. 482 p. 1948
- Engle, E.T.
Effect of hypothyroidism on menstruation in adult rhesus monkeys. Yale J. Biol. & Med. 17:59 p. 1944
- Castlemann, E.
Pituitary fibrosis with myxedema.
Arch. Path. 27:69 p. 1939
- Lerman, J.
Pituitary type of myxedema. J.A.M.A. 119:391 p. 1942
- Shorr, E.
Influence of thyroid administration on creatine metabolism

in myxedema of adults.

Proc. Soc. Exper. Biol. & Med. 32:1340 p. 1935

Thorn, G.W.

Creatine studies in thyroid disorders.
Endocrinology 20:628 p. 1936

Burgess, A.H.

Ann. Int. Med. 25:146 p. 1946

Linker, A.W.

Quantitative relationship between Basal metabolic rate and
thyroid dosage in patients with true myxedema.
J. Clin. Invest. 22:531 p. 1943

Linker, A.W.

Tolerance to oral thyroid and reaction to intravenous thyroxine
in subjects without myxedema.
J. Clin. Invest. 22:535 p. 1943

Thomson, W.O.

Effect of hypothyroidism on menstruation.
J. Clin. Endoc. 1:29 p. 1941

Recardilla, R.F.

Carotenemia in myxedema.
J. Clin. Endoc. 2:333 p. 1942

Soffer, L.J.

Magnesium partition studies in Graves' disease and in clinical
and experimental hypothyroidism.
J. Clin. Invest. 20:429 p. 1941

Linker, A.W.

Serum iodine in hypothyroidism before and during thyroid
therapy. J. Clin. Invest. 24:732 p. 1945

Whitelaw, H.J.

Thiouracil in treatment of hyperthyroidism complicating
pregnancy and its effects on the human fetal thyroid.
J. Clin. Endoc. 8:767 p. 1948

Kissin, M.

Coexisting myxedema and hyperparathyroidism.
J. Clin. Endoc. 7:352 p. 1947

Radwin, L.S.

Congenital hypothyroidism.
Am. J. Dis. Child. 78:821 p. 1949

ENDEMIC GOITER

GENERAL PROBLEM

- Kelly, F.C.
Prevalence and geographical distribution of endemic goiter.
Bull. World H. Organ. 18:1. 5 p. 1958
- Clements, F.W.
Endemic goiter: Scope of the health problem and related conditions. Bull. World H. Organ. 18:1. 175 p. 1958
- Perez, C.
Classification of goiter and technique of endemic goiter surveys. Bull. World H. Organ. 18:1. 217 p. 1958
- Endemic goiter.
B.M.J. No. 5113. 36 p. 1959
- Rawson, R.T.
Thiocyanate goiter in man.
Ann. Int. Med. 19:829 p. 1943
- Miller, J.H.
Carcinoma and thyroid nodules; problem in endemic goiter area. New Eng. J. Med. 252:247 p. 1955
- Borjas, E.A.
Endemic goiter in Honduras.
Am. J. Public Health. 45:1411 p. 1954. 884 p. 1955
- Clements, F.W.
Endemic goiter in Australia, New Zealand and Melanesia.
Bull. World H. Organ. 10:105 p. 1954
- Scrimshaw, N.S.
Endemic goiter in Latin America.
Public Health Report. 69:282 p. 1954
- Jackson, A.S.
Goiter: World-wide problem.
Tr. Amer. Goiter Asso. (1953) 162 p. 1954
- Morgans, M.L.
Addison's disease and goiter.
Proc. Royal Soc. Med. 47:262 p. 1954
- Grile, G.
Indications for removal of non-toxic nodular goiter.
J.A.M.A. 139:1247 p. 1949

- Legelin, C.
Malignant disease of the thyroid gland and its relations to
goiter in man and animals.
Cancer Rev. 3:297 p. 1928
- Ward, R.
Malignant goiter; a survey of geographical types.
Tr. Am. A. Study Goiter. 1935. 11 p.
- Olesen, R.
Incidence of endemic thyroid enlargement in Connecticut.
U.S. Public Health Rep. 41:1695 p. 1926
- McClendon, J.F.
The distribution of iodine with special reference to goiter.
Physiol. Rev. 7:189 p. 1927
- Cambell, J.M.H.
Geographic distribution of goiter in school children.
J. Hygiene. 26:1 p. 1927
- Distribution of endemic goiter in United States.
Public Health Rep. 44:1463 p. 1929
- Stein, A.
The role of the microfollicle in non-neoplastic noninfectious
goiter. Arch. Pathology. 67:2. 1959. 168 p.
- Greenwald,
Endemic goiter; deficiency, intoxication or infection?
Tr. Am. Goiter Asso. 1950. 369 p.
- Thompson, W.O.
Comparison of exophthalmic goiter in Boston and Chicago with
reference to iodine reaction.
J.A.M.A. 99:1483 p. 1932

EXPERIMENTAL

- Heyman, A.M.
The bacteriology of goiter; a study of human thyroid tissue and
the production of thyroid hyperplasia in rabbits on a special
diet. Tr. Am. Asso. Study Goiter. 153 p. 1933
- Sharpless, G.R.
Production of goiter in rats with raw and with treatment of
soy bean flour.
J. Nutrition. 17:545-p. 1939
- Axelrad, A.A.
Prevention of low iodine goiter by casein in mice.

vention of low iodine goiter by casein in mice.

Canad. M.A.J. 70:78 p. 1954

is, R.H.

Prevention of low iodine goiter by casein in mice.

Canad. M.A.J. 70:78 p. 1954

Follis, R.H.

Experimental colloid goiter in the hamster.

Proc. Soc. Exper. Bio. Med. 100:1. 1959. 203 p.

Kennedy, T.H.

Experimental goiter.

Brit. J. Exper. Path. 22:241 p. 1941

Webster, B.

Endemic goiter in rabbits. VII. Effect of administration of iodine.

Bull. Johns Hopk. Hos. 43:291 p. 1928

Kennedy, T.H.

Studies on experimental goiter. I. The effect of bromine seed diet on rats.

Brit. J. Exper. Path. 22:241 p. 1941

Bogdanove, E.M.

The effects of hypothalamic lesions on goitrogenesis and pituitary TSH secretion in the propylthiouracil-treated guinea pig.

Endocrinology. 64:1. 1959. 53 p.

Chesney, A.M.

Endemic goiter in rabbits.

Bull. Johns-Hopk. Hos. 42:261 p. 1928

Middleworth, L.

Observations on the production of goiter in rats with propylthiouracil and on goiter prevention.

Endocr. 64:2. 1959. 136 p.

Stacili, N.R.

Antigoitrogenic calorogenic activities of thyroxine analogues in rats.

Endoc. 64:1. 1959. 62 p.

EPIIOLOGY AND PATHOGENESIS

Greene, R.

Goitrogens in milk.

J. Endoc. 17:3. 272 p. 1958

- Seldon, W.A.
The role of psychic stress in the etiology of non-toxic goiter.
M.J. Australia. 45:2. Oct. 1958
- Stanburg, J.B.
Iodine metabolism and physiological aspects of endemic goiter. Bull. World H. Organ. 18:1. 1958. 201 p.
- Horvat, A.
The role of vitamin A in the occurrence of goiter on the Ilund of Krk, Yugoslavia.
J. Nutrition. 66:2. 129 p. 1958
- Moudgal, N.R.
Studies on goitrogenic agents in food. III. Goitrogenic action of some glycosides isolated from edible nuts.
J. Nutrition. 66:2. 291 p. 1958
- Hercus, C.E.
Endemic goiter in New Zealand, and its relation to the soil-iodine. J. Hygiene. 24:321 p. 1925
- McClendon, J.F.
Simple goiter as a result of iodine deficiency.
- Marine, N.
Etiology and prevention of simple goiter.
Medicine 3:453 p. 1924
- Greenwald, P.
Cabbages and turnips as cause of endemic or of epidemic goiter in man and in farm animals: Growth of legend.
Tr. Amer. Goiter Asso. (1954) 358-365 p. 1955
- Axelrad, A.A.
Role of iodine deficiency in production of goiter by Remington Diet. Endoc. 56:387 p. 1955
- Taylor, S.
Calcium as goitrogen.
J. Clin. Endoc. 14:1412 p. 1954
- Edwards, D.A.W.
Mechanism of goitrogenic action of p-aminosalicylic acid.
Lancet. 2:1051 p. 1954
- Hettche, H.Q.
Etiology and pathogenesis of endemic goiter.
Munchen Med. Wochens. 96:577 p. 1954