

022.6.93 1977 38

Annales

d'endocrinologie



MASSON

Paris New-York Barcelone Milan

Tome 38 — 1977

INDEX DES AUTEURS/*AUTHORS INDEX*

A

ABRAHAM M., 73*.
 ACOUAVIVA A.M., 117, 119.
 ADLKOFER F., 134.
 AHREN B., 59.
 AHUJA S., 131.
 ALEXANDER W.D., 37.
 ALIVISATOS J., 29.
 ALLIOD C.H., 53.
 ALOJ S.M., 62, 109.
 ALQUIER C., 47.
 AL SAADI A., 48.
 ALVINO C., 118.
 AMBESI-IMPIOMBATO F.S., 109,
 112, 118.
 AMBROSINO N., 132.
 ANDERSSON L.C., 96.
 ANSELMET A., 32.
 APTER L., 148.
 AQUARON R., 139.
 ASTERIS G., 25.
 AVVEDIMENTO V.E., 117, 119.

B

BACCINI C., 21.
 BAHRE M., 154.
 BALDET L., 130.
 BALSAM A., 54.
 BANOVAC K., 91, 101.
 BARBIER F., 57.
 BARTALENA L., 64.
 BASCHIERI L., 89, 132.
 BASTIANI P., 38.
 BATES D., 137.
 BAULIEU J., 150.
 BAUMGARTEN S., 131.
 BEAUMONT A., 142.
 BECH K., 30.
 BECKERS C., 80.
 BECK-PECCOZ P., 22.
 BEGUINOT F., 62.
 BENDIXEN G., 30.
 BENOITHMAN S., 142.
 BERNAL J., 33, 104.
 BERNARD H.F., 102.
 BERQUIST H., 87.
 BERTHEZENE F., 156.
 BERTHIER C., 74.
 BESTER A.J., 44.
 BIANCHI R., 23, 85, 135, 153.
 BITTEL J., 60.
 BIRKENFELD A., 75.
 BJORKMAN U., 127.

BLASI F., 119.
 BOEYNÆMS J.M., 39, 40, 113.
 BOGAERT M., 57.
 BONNET M., 24.
 BORNET H., 24.
 BOUCHILLOUX S., 41, 45.
 BOULU-LAPOINTE F., 20.
 BOURDOUX P., 140.
 BRAUTIGAM S., 55.
 BROWNING M.K., 149.
 BRUNI C.B., 118.
 BURGER A., 53, 59.
 BURGI H., 70.
 BURKE J., 27.
 BURROW G.N., 77.
 BUSCAGLIA M., 34.

C

CAPIFERRI R., 22.
 CARAYON P., 63, 110, 129.
 CARMASSI F., 135.
 CARPI A., 23, 85, 153.
 CARTOUZOU G., 42.
 CAUCHETEUX D., 120.
 CHABAUD O., 42.
 CHAMPION S., 6.
 CHAN V., 78.
 CHANTLER C., 27.
 CHEBATH J., 42.
 CHIU S.C., 111.
 CHOMETTE G., 150.
 CLARK F., 147.
 CLEMMENSEN O., 30.
 CODACCIONI J.L., 129.
 COLEONI A.H., 33, 104.
 COLI A., 153.
 CONTI A., 92, 125.
 CONTI F., 22.
 CORDIER A., 80.
 CORREZE C., 105.
 CORVO L., 97.
 COURPOTIN C., 28.
 CROOKS J., 95, 149.
 CULLEN M.J., 93.
 CURE M., 60.

D

D'ALIA O., 141.
 DAMOUR P., 101.
 DANG J., 84.
 DAUGERAS-BERNARD N., 20.
 DAVIES E., 121.

DAVIES T.F., 36, 147.
 D'AZZO G., 141.
 DE GROOT L.J., 33, 104.
 DELANGE F., 138, 140.
 DEL CORSO L., 85.
 DEME D., 68.
 DE NAYER Ph., 10, 120.
 DENEF J.F., 80.
 DESMEDT D.H., 67.
 DE VIJLDER J.J.M., 18, 46.
 DE VISSCHER M., 81.
 DI LAURO R., 119.
 DINSART C., 46.
 DIRMIKIS S.M., 145.
 DOCTER R., 1, 102.
 DOHLER K.D., 76.
 DOMINICI R., 97.
 DONABEDIAN R.K., 77.
 DONALDSON E.B., 11.
 DOUMITH R., 28.
 DOVERI F., 89.
 DUMONT J.E., 116.
 DURAN-GARCIA S., 108.

E

EBKE J., 146.
 EDELHOCH H., 71, 122.
 EKHOLM R., 126, 127.
 EL-BISHTI M., 27.
 ELEWAUT E., 57.
 EMRICH D., 154.
 ENGLER D., 11.
 ENGLER H., 124, 125.
 ERICSON L.E., 127.
 ERMANS A.M., 12, 138.
 ERNEUX C., 113.
 ESCOBAR DEL REY F., 107, 108.
 ESCRIVA F., 4.
 ETZKORN J., 106.
 EVERED D.C., 36, 137, 147.

F

FABER J., 58.
 FAGLIA G., 22.
 FANI P., 26.
 FAYET G., 47, 66.
 FEELY J., 149.
 FEEST C., 55.
 FEIGE R., 146.
 FELDT-RASMUSSEN U., 88.
 FENZ G., 25, 64, 132.
 FERNANDEZ M., 12.

* N° du résumé/abstract number.

FILETTI S., 138.
 FINKE R., 100.
 FLAVELL R.A., 46.
 FOURNIER M., 155, 156.
 FORREST A., 149.
 FRAGU P., 142.
 FRIEDMAN S., 73.
 FRIIS Th., 58.
 FRISCH H., 144.
 FRITZSCHE H., 136, 144.
 FUGLEBERG S., 58.

G

GALVAN G., 86.
 GIANI C., 89.
 GIANNESI D., 23, 85, 135.
 GIBITZ H.J., 86.
 GILLIOZ P., 129.
 GIULIANI B., 21.
 GLINGER D., 12.
 GOLDFINE D., 103.
 GOMEZ-NIETO J., 108.
 GOMEZ-PAN A., 137.
 GORDIN A., 96.
 GORDON A., 75, 105.
 GRASSO L., 89.
 GRAY J., 106.
 GREER M.A., 2.
 GROLLMAN F., 62, 109.
 GROSS J., 75.
 GRUSSENDORF M., 13, 52.
 GUIBAUD S., 24.
 GUIBOUT M., 63.
 GUNN A., 95, 149.
 GUGLER E., 99.
 GULBIS E., 40.

H

HABERMANN J., 143.
 HACKENBERG K., 146.
 HÆBERLI A., 70, 123.
 HAIN H., 134.
 HALL R., 147.
 HANSON A., 140.
 HARDISTY C.A., 145.
 HART J.K., 152.
 HASHIZUME K., 25.
 HAUMONT S., 80.
 HAYE B., 114.
 HAYRY P., 96.
 HENNEMANN G., 1, 102.
 HERRMANN J., 15, 134.
 HERVAS F., 4.
 HERVEG J.P., 49, 79.
 HESCH R.D., 50, 61.
 HILDITCH T.E., 37.
 HOFER R., 144.
 HOFFKEN B., 50.

HOLM A.C., 103.
 HONBO K.S., 31.
 HOPKINS P., 106.
 HORN C., 34.
 HOVSEPIAN S., 47, 66.
 HUFNER M., 13, 52.

I

IKEDA H., 111.
 INDOVINA S., 141.
 INGBAR S.H., 54, 106.
 ISLES T.E., 95.
 ITO K., 111.

J

JACQUEMIN C., 6, 114.
 JAFFIOL C., 130.
 JANNI A., 141.
 JORDAN D., 60.
 JORGENSEN C., 103.
 JUNGERMANN A., 143.

K

KABACK H.R., 109.
 KETELBANT-BALASSE P., 82, 116.
 KIELCZYNSKI W., 65.
 KIRKEGAARD C., 58.
 KLEES M., 87.
 KLEINHAMMER G., 14.
 KLOOTWIJK W., 1.
 KNEUBUEHL F., 123, 124.
 KODDING R., 50, 61.
 KÖENIG M.P., 99.
 KOHLER H., 124, 125.
 KOHN L.D., 62, 109.
 KOHRLE J., 50, 61.
 KOLBE H., 136, 144.
 KOSTIC G., 19.
 KOTULLA P., 5, 100.
 KOTZE B., 122.
 KOUTRAS D.A., 29.
 KRAFT D., 134.
 KRAINCANIC M., 19.
 KRENNING E.P., 102.
 KRUSKEMPER H.L., 15.
 KUZUYA N., 111.

L

LACHIVER F., 20.
 LAGASSE R., 87.
 LAKKA-PAPADODIMA E., 29.
 LAMAS L., 69.
 LAMBERGEON M., 34.
 LAMY F., 115.
 LARSEN J.H., 30.
 LAURBERG P., 56, 94.

LAZARUS J.H., 133.
 LECOQ R., 115.
 LEE G., 62, 109.
 LEGER F.A., 28, 150.
 LELOUP J., 34.
 LEMARCHAND-BERAUD T., 74, 151.
 LENZ H., 14.
 LEVANTI C., 85, 153.
 LEWIS M., 36, 137.
 LINKE R., 14.
 LI-POUMA M., 141.
 LISSITZKY S., 43, 63, 110.
 LUMHOLTZ I.B., 58.

M

MACCHIA E., 64.
 MACCHIA V., 112.
 MÄNPÄÄ J., 96.
 MAFUTA M., 140.
 MAGNON-PUJO B., 155.
 MAIER F., 86.
 MAISEY M., 27.
 MAKINEN T., 96, 148.
 MALINSKY M., 150.
 MALONE J.F., 93.
 MAMELI C., 22.
 MAMMOLI C., 22.
 MANDATO E., 112.
 MARCY G., 114.
 MARIANI G., 23, 85, 135, 153.
 MAROZZI P., 141.
 MARRIO C., 43.
 MARSHALL J., 36.
 MAY P.B., 77.
 MAZZANTI F., 64.
 MAZZOTI A., 21.
 MCKENZIE J.M., 91, 101.
 MEINHOLD H., 55, 100.
 MELANDER A., 59.
 MELDOLESI M.F., 109.
 MICHEL-BECHET M., 47.
 MICHOT J.L., 71.
 MICIC J.V., 19.
 MIQUELIS R., 83.
 MOCKEL J., 39.
 MOLEA N., 85.
 MORNEX R., 7, 8.
 MORREALE DE ESCOBAR G., 107, 108.
 MUCCI G., 132.
 MUNARI Y., 7.
 MUNRO D.S., 145.

N

NAGATAKI S., 111.
 NATAF B.M., 142.
 NAUMAN J., 65.

NEVE P., 82.
NUNEZ J., 71, 105.

O

OBREGON M.J., 108.
O'CONNOR M.K., 93.
OEFF K., 131.
ORGIAZZI J., 7, 155.

P

PACINI F., 89.
PADRON F., 108.
PALUMBO G., 118.
PAMMENTER M.D., 44.
PANDOS P.G., 29.
PASCUAL-LEONE A.M., 4.
PATTERSON B., 119.
PEKONEN F., 148.
PENEL C., 38.
PENNISI F., 17.
PERHYLTOF PETERSEN, 88.
PERROT L., 156.
PEYRIN J.O., 24.
PEZZINO V., 138.
PILO A., 23, 135.
PINCHERA A., 64, 89.
PIOT J.M., 6.
PLIAM N.B., 103.
POCHET R., 67, 113.
POLOSA P., 138.
POMMIER J., 68.
PONCET C., 72.
PONSIN G., 8.

Q

QUINTANA J., 155.
QUOHS A., 146.

R

RAFFIN J.P., 130.
RATCLIFFE J.G., 36.
REFETTOFF S., 25.
REGARD E., 35, 142.
REINWEIN D., 146.
RICCABONA G., 86.
ROCMANS P., 82.
ROGER G., 87.
ROKOS H., 51.
ROLLAND M., 43.
ROMELLI P., 17.
RONIN C., 45.
ROOTWELT K., 128.
ROQUES M., 9.
ROSTAGNAT A., 8.
ROTELLA C.M., 26.

ROUDEBUSH C., 25.
ROUSSET B., 60, 72.
ROW V.V., 98.
RUDORFF K.H., 15, 134.
RUE P., 33.
RUIZ-MARCOS A., 107.

S

SALABE G.B., 97.
SALBERG H.E., 128.
SALABE H., 97.
SALVAGIANI L., 21.
SALVATORE G., 81.
SANCHEZ-TOSCANO F., 107.
SARDANO G., 22.
SAVION S., 73.
SAVOIE J.C., 28, 150.
SCAZZIGA B.R., 151.
SCHEIFFELE E., 51.
SCHLEUSENER H., 5, 100.
SCHRAPPE K.H., 14.
SCHURNBRAND P., 55.
SCORZA P.A., 21.
SCRIBA P.C., 143.
SEIF F.J., 3.
SEKSO M., 91.
SIERSBÆK-NIELSEN K., 58.
SILVERBERG J., 98.
SIMON C., 38, 83, 84.
SINADINOVIC J., 19.
SMEDS S., 126.
SMITH B.R., 147.
SOLBERG H.E., 128.
SORJE H., 134.
SOUVATZOGLOU A., 29.
SPADA A., 22.
SPAULDING S.W., 77.
SPIRA O., 75.
STÆHLER F., 14.
STANGEL W., 61.
STOCKIGT J.R., 11.
STUDER H., 125, 126.
STUMMVOLL H.K., 136.
SUGENOYA A., 98.
SWANSON-BECK J., 95.

T

TAL E., 73.
TANINI A., 26.
TASKINEN E., 96.
TAUOG A., 35.
TEGELAERS W.H.H., 18.
THALHAMMER O., 144.
THILLY C.H., 87.
THOMAS I.D., 152.
THOLON J.M., 24.
TIRARD A., 9.
TOCCAFONDI R.S., 26.

TONI M.G., 23, 85, 153.
TONOOKA N., 2.
TORRESANI J., 32.
TOTTERMAN T.H., 96.
TRIMARCHI F., 138.
TROKOUDES K., 98.

U

UCHIMURA H., 111.
ULLER R.P., 90.
UNGER J., 39.

V

VANDENHOVE-VANDENBROUCKE, M.F., 81.
VANDERWALT B., 122.
VAN DIJK J.E., 18.
VAN HERLE A.J., 31, 90.
VAN JAARVELD P.P., 44, 122.
VAN SANDE J., 113, 116.
VAN VOORTHUIZEN W.F., 18, 46.
VARRONE S., 117, 119.
VASSART G., 46, 121.
VASSELLA F., 99.
VERMEULEN A., 57.
VIGNERI R., 138.
VISSER J., 1, 102.
VOLPE R., 98.
VON WILLEBRAND E., 148.
VON ZURMUHLEN A., 61, 76.

W

WACHECK W., 16.
WADE J.S.H., 133.
WÆLBRECK M., 40.
WAGAR G., 46, 148.
WANG C., 78.
WEEKE J., 94.
WEIGHTMAN D.R., 36.
WEISSEL M., 136, 144.
WENZEL K.W., 55, 100.
WESTGREN U., 59.
WILKIN T.J., 95.
WOLF A., 136.
WOLLMAN S.H., 49, 79.
WONG C.C., 76.

Y

YEO P.P.B., 36, 137, 147.

Z

ZAKARIJA M., 101.
ZUCHELLI G.C., 23, 85, 135, 153.

143 -

INSTABILITY OF IODIZED SALTS IN USE FOR GOITRE PROPHYLAXIS

P.C. Scriba, J.Habermann* and A.Jungermann*

Medizinische Klinik Innenstadt, Universitaet Muenchen and BHS, FRG

Insufficient stability of potassium iodide (KI) added to table salts represents a major problem for goitre prevention programs. A survey of 146 samples from different preparations of iodized salts from 7 European countries revealed, that only 4 preparations contained on average the intended iodine amount, which showed in addition an insufficient standardization (CV = 18 %) within the different charges of a preparation. Storage in the original unopened carton package results in a significant decay of the iodine content ($p < 0.005$) with a half life of 17 months, respectively 7 months when the iodized salt was kept in its original package but after opening. In contrast, iodized salts kept in tightly closed tins were stable for 14 months. The addition of iron (5 ppm) led to an acceleration of loss of added KI with a resulting half life of 2 weeks. Sodium thiosulphate (20 ppm) stabilized the iodine content of salts iodized by KI for more than 3 months, but for less than 1 month in presence of iron. Iodination with potassium iodate (KIO_3) instead of KI results in a salt, which showed an iodine content stable even in the presence of iron for more than 3 months.

It was concluded, that goitre prevention programs should be performed 1. with salts containing at least 10 ppm iodine, 2. with better standardization of iodination and 3. with salts iodized by addition of KIO_3 instead of KI .

Habermann, J., K.Horn and P.C. Scriba : Alimentary Iodine Deficiency in the Federal Republic of Germany : Current Inefficiency of Goitre Prophylaxis. *Nutr.Metabol.* 20, Suppl. 2, 50 (1977)

Supported by the Federico Foundation.