

“LABORATORIO”

Análisis clínicos - Bacteriología - Inmunología - Parasitología
Hematología - Anatomía patológica - Química clínica

REVISTA MENSUAL

FUNDADORES:

Dr. Justo Covaleda Ortega

Dr. Eduardo Suárez Peregrín

Director: G. PIEDROLA ANGULO

Redacción y Administración: Pl. Campos, 5. Ap. Correos, 193. Granada

Precio de suscripción anual: España: 2000 pesetas

Extranjero: 30 \$ o equivalencia

Correo aéreo: Sobretasa 22 \$ o »

SCIENTIA

International Review of Scientific Synthesis - Founded in 1907

**Scientific Editorial Board: Edoardo Amaldi · Ludovico Geymonat
Giuseppe Montalenti
Editor: N. Bonetti**

SCIENTIA was born within the framework of a cultural project based on the belief in the fundamental importance of scientific rationality and the necessity for restoring unity to the various fields of knowledge.

This project has lost nothing of its validity today: at present, in fact, the end of rationality is proclaimed on the one hand, while on the other scientific research grows increasingly specialized in directions that appear to be unable to communicate one with another.

For this very reason the need for unifying thought is felt more urgently: Scientia's task is thus carried out with the contribution of scientists and philosophers the world over.

Scientia offers, furthermore, an up-to-date picture of the state of knowledge of the individual disciplines and of the problems connected with scientific research.

Annual subscription: Italy Lit. 40,000 - Europe Lit. 45,000 - Non-European countries \$ 60.00

SCIENTIA - Via Guastalla 9 - 20122 Milano (Italy) - Telephone (02) 780.669

Editada por
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS

**TERMINADO DE IMPRIMIR EN 29 DE JUNIO DE 1986
EN LOS TALLERES DE TECNOGRAF, S. A.
PASEO TORRAS I BAGES, 33. 08030 BARCELONA**

REVISTA ESPAÑOLA DE FISIOLOGIA

Vol. 42, N.º 2, June 1986

ISSN 0034-9402. REFIAS

CONTENTS

JIMÉNEZ-VARGAS, J. and M. ^a E. CARREIRA-MONTEIRO. — Endogenous Opioids in Laryngeal Respiratory Inhibition	147
MERINO, E., E. ABELLÁN, L. COY and M. CANTERAS. — Spirometric Parameters in Non-smoking Men-workers in Murcia (Spain)	153
PÉREZ-VILLAMIL, B., and J. G. LÓPEZ DEL CAMPO. — Studies of Bound and Unbound Prolactin Fractions After Interaction with their Specific Receptors	161
FABRE, E., M. A. MARTÍNEZ, J. RUIZ, J. L. SERRANO and M. J. VEINTEMILLA. — A Practical Method to Analyze the Phospholipids in the Amniotic Fluid Using HPTLC	171
DÍEZ, J. M., M. T. AGAPITO and J. M. RECIO. — The Effect of Estrogens on Serum Ferritin Levels in Duck	179
LÓPEZ-MERINO, V., A. BENAGES, R. MOLINA, C. MARCOS-BUSCHECK, M. TOMÁS-RIDOCCHI, F. MORA, E. MORENO-OSSET and M. MÍNGUEZ. — New Method for Quantitative Evaluation of Esophageal Sensibility	185
HIDALGO, M. C., M. GARCÍA, G. CARDENETE, A. SANZ and M. DE LA HIGUERA. — Effects of Partial Hepatectomy on Some Parameters of Blood and Liver in Rainbow Trout (<i>Salmo gairdnerii</i> , Rich.)	191
LISBONA, F., R. JIMÉNEZ and A. ESTELLER. — Biliary Secretion in the Chicken: Effects of Secretin, Cholecystokinin-Pancreoxymin and Acid Extracts from the Duodenal Mucosa	199
DELGADO, M. J., J. MORENO, M. L. MURILLO, J. BOLUFER and J. L. LÓPEZ-CAMPOS. — Histophysiological Changes of the Remnant Intestine After Distal Small Intestinal Resection in the Rat	205
BUXADERAS, S. C. and R. FARRÉ-ROVIRA. — Whole Blood and Serum Copper Levels in Relation to Sex and Age	213
MORELLÓN, M. P. — Body Composition in Boys and Young Men	219
VILLANÚA, M. A., A. I. ESQUIFINO and J. A. F. TRESGUERRES. — Melatonin Radioimmunoassay: Pineal Function Evaluation in Control and Hyperprolactinaemic Male Rats	227
LAHERA, V., F. DURÁN, V. CACHOFEIRO, F. J. DEL CAÑIZO, F. J. RODRÍGUEZ and J. A. F. TRESGUERRES. — Simple Radioimmunological Method for Urinary 6-Keto-PGF _{1α} Measurement	233
GANDARIAS, J. M., F. AINZ, C. E. GIL-RODRIGO, J. J. GOIRIENA and R. GÓMEZ. — Action of a Water Soluble Splenic Material on Anaesthetized Rat Blood Pressure	239
GARCÍA-SACRISTÁN, A., C. CASTILLA, G. COSTA and A. LABADIA. — Alpha- and Beta-Adrenoceptors in the Female Dog Urethra	245
FERNÁNDEZ-PASTOR, J. M., P. MORATA, M. C. ESCOBAR, V. J. FERNÁNDEZ-PASTOR and M. MORELL. — Alterations in Glutamate Dehydrogenase by Thyroid Hormone Deficit in Brain Areas of Rat	251
GARCÍA-ROBLES, R., L. RUILOPE, J. TOVAR, L. F. DE VILLA, B. MIRANDA, C. PRIETO, J. PARADA, J. SANCHO and J. L. RODICIO. — Dopamine Control of Aldosterone Secretion in End-Stage Renal Failure	257
RIÑÓN, L., E. YANGUAS, M. ORTIZ, M. LLUCH and F. PONZ. — Effect of Luminal Na ⁺ on the Kinetics of Intestinal Absorption of Sugars <i>in vivo</i>	265
<i>Letters to the Editors</i>	
SANTESTEBAN, M. V., Y. BARCINA and J. LARRALDE. — Intestinal Disaccharidase Activities in Growing Rats as Affected by Sex	271
DIEGO, A. M., M. MUÑOZ, M. LABAJOS and S. PERÁN. — Electrochemical Modifications Induced by Amino Acids in Rat Pancreas Isolated and Perfused <i>in situ</i>	273
BOOK REVIEWS	275

REVISTA ESPAÑOLA DE FISIOLÓGIA

Vol. 42, N.º 2, junio 1986

ISSN 0034-9402. REFIAS

INDICE

JIMÉNEZ-VARGAS, J. y M. ^a E. CARREIRA-MONTEIRO. — Opioides en la inhibición respiratoria por estimulación laríngea	147
MERINO, E., J. ABELLÁN, L. COY y M. CANTERAS. — Parámetros espirométricos de la población laboral de varones jóvenes no fumadores de la región de Murcia	153
PÉREZ-VILLAMIL, B. y J. G. LÓPEZ DEL CAMPO. — Valoración de las fracciones libre y unida resultantes de la interacción de la prolactina con sus receptores específicos	161
FABRE, E., M. A. MARTÍNEZ, J. RUIZ, J. L. SERRANO and M. J. VEINTEMILLA. — A Practical Method to Analyze the Phospholipids in the Amniotic Fluid Using HPTLC	171
DÍEZ, J. M., M. T. AGAPITO and J. M. RECIO. — The Effect of Estrogens on Serum Ferritin Levels in Duck	179
LÓPEZ-MERINO, V., A. BENAGES, R. MOLINA, C. MARCOS-BUSCHECK, M. TOMÁS-RIDOCCI, F. MORA, E. MORENO-OSSET and M. MÍNGUEZ. — New Method for Quantitative Evaluation of Esophageal Sensibility	185
HIDALGO, M. C., M. GARCÍA, G. CARDENETE, A. SANZ y M. DE LA HIGUERA. — Efectos de la hepatectomía parcial sobre algunos parámetros sanguíneos y hepáticos en la trucha arco iris (<i>Salmo gairdnerii</i> , Rich.)	191
LISBONA, F., R. JIMÉNEZ y A. ESTELLER. — Secreción biliar en el pollo: efectos de la secretina, colecistoquinina-pancreozimina y del extracto de mucosa duodenal	199
DELGADO, M. J., J. MORENO, M. L. MURILLO, J. BOLUFER y J. L. LÓPEZ-CAMPOS. — Aspectos histofisiológicos del intestino remanente de ratas sometidas a una resección parcial de intestino delgado	205
BUXADERAS, S. C. and R. FARRÉ-ROVIRA. — Whole Blood and Serum Copper Levels in Relation to Sex and Age	213
MORELLÓN, M. P. — Composición corporal en niños y en jóvenes del sexo masculino	219
VILLANÚA, M. A., A. I. ESQUIFINO y J. A. F. TRESGUERRES. — Radioinmunoanálisis de melatonina: valoración de la función pineal en ratas macho hiperprolactinélicas y controles	227
LAHERA, V., F. DURÁN, V. CACHOFEIRO, F. J. DEL CAÑIZO, F. J. RODRÍGUEZ and J. A. F. TRESGUERRES. — Simple Radioimmunological Method for Urinary 6-Keto-PGF _{1α} Measurement	233
GANDARIAS, J. M., F. AINZ, C. E. GIL-RODRIGO, J. J. GOIRIENA and R. GÓMEZ. — Action of a Water Soluble Splenic Material on Anaesthetized Rat Blood Pressure	239
GARCÍA-SACRISTÁN, A., C. CASTILLA, G. COSTA and A. LABADIA. — Alpha- and Beta-Adrenoceptors in the Female Dog Urethra	245
FERNÁNDEZ-PASTOR, J. M., P. MORATA, M. C. ESCOBAR, V. J. FERNÁNDEZ-PASTOR y M. MORELL. — Alteraciones de la glutamato deshidrogenasa en áreas cerebrales de rata por deficiencia de hormonas tiroideas	251
GARCÍA-ROBLES, R., L. RUILOPE, J. TOVAR, L. F. DE VILLA, B. MIRANDA, C. PRIETO, J. PARADA, J. SANCHO and J. L. RODICIO. — Dopamine Control of Aldosterone Secretion in End-Stage Renal Failure	257
RIÑÓN, L., E. YANGUAS, M. ORTIZ, M. LLUCH and F. PONZ. — Effect of Luminal Na ⁺ on the Kinetics of Intestinal Absorption of Sugars <i>in vivo</i>	265
<i>Cartas al Editor</i>	
SANTESTEBAN, M. V., Y. BARCINA and J. LARRALDE. — Intestinal Disaccharidase Activities in Growing Rats as Affected by Sex	271
DIEGO, A. M., M. MUÑOZ, M. LABAJOS and S. PERÁN. — Electrochemical Modifications Induced by Amino Acids in Rat Pancreas Isolated and Perfused <i>in situ</i>	273
CRÍTICA DE LIBROS	275