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PERSPECTIVES IN DIABETES

Vascular endothelial growth factor and diabetes:
the agonist versus antagonist paradox

E. DUHAND L.P. AIELLO 1899

RAPID PUBLICATION

Incompatibility between human blood and isolated
islets of Langerhans: a finding with implications for
clinical intraportal islet transplantation?

W. BENNET, B. SUNDBERG, C.-G. GROTH, M.D. BRENDL,
D. BRANDHORST, H. BRANDHORST, R.G. BRETZEL, G. ELGUE,
R. LARSSON, B. NILSSON, AND O. KORSGREN 1907

METABOLISM AND SIGNAL TRANSDUCTION

No effect of insulin on glucose blood-brain barrier
transport and cerebral metabolism in humans

S.G. HASSELBALCH, G.M. KNUDSEN,
C. VIDEBAEK, L.H. PINBORG, J.F. SCHMIDT, S. HOLM, AND
O.B. PAULSON 1915

Tyrosine phosphorylation of specific protein
kinase C isoforms participates in insulin
stimulation of glucose transport in primary
cultures of rat skeletal muscle

L. BRAIMAN, L. SHEFFI-FRIEDMAN, A. BAK,
T. TENNENBAUM, AND S.R. SAMPSON 1922

Calorie restriction increases insulin-stimulated
glucose transport in skeletal muscle from IRS-1
knockout mice

A.C. GAZDAG, C.L. DUMKE, C.R. KAHN, AND G.D. CAPTEE 1930

IMMUNOLOGY AND TRANSPLANTATION

Identification of peptides from autoantigens GAD65
and IA-2 that bind to HLA class II molecules predis-
posing to or protecting from type 1 diabetes

E. HARFOUCH-HAMMOUD, T. WALK, H. OTTO, G. JUNG,
J.-F. BACH, P.M. VANENDERT, AND S. CAILLAT-ZUCMAN 1937

T-cell production of an inducible interleukin-10
transgene provides limited protection from
autoimmune diabetes

M.E. PAUZA, H. NEAL, A. HAGENBAUGH, H. CHEROUTRE,
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ISLET STUDIES

Mechanisms of glucose hypersensitivity in β-cells
from normoglycemic, partially
pancreatectomized mice

F. MARTÍN, E. ANDREU, J.M. ROVIRA, J.A.G. PERTUSA,
M. RAURELL, C. RIPOLL, J.V. SÁNCHEZ-ANDRÉS,
E. MONTANYÀ, AND B. SORIA 1954

Two novel immortal pancreatic β-cell lines
expressing and secreting human islet amyloid
polypeptide do not spontaneously develop
islet amyloid

S. ANDRIKOPOULOS, C.B. VERCHERE, J.C. TEAGUE,
W.M. HOWELL, W.Y. FUJIMOTO, T.N. WIGHT, AND S.E. KAHN 1962

Mechanisms of coordination of Ca^{2+} signals in
pancreatic islet cells

F. BERTUZZI, A.M. DAVALLI, R. NANO, C. SOCCI, F. CODAZZI,
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Altered cAMP and Ca^{2+} signaling in mouse
pancreatic islets with glucagon-like peptide-1
receptor null phenotype

D. FLAMEZ, P. GILON, K. MOENS, A. VANBREUSEGEM,
D. DELMEIRE, L.A. SCROCCHI, J.-C. HENQUIN,
D.J. DRUCKER, AND F. SCHUIT 1979

Altered insulin secretion associated with reduced
lipolytic efficiency in $aP2^{-/-}$ mice

L. SCHEJA, L. MAKOWSKI, K.T. UYSAL, S.M. WIESBROCK,
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AND G.S. HOTAMISIGLIG 1987

In vivo prevention of hyperglycemia also prevents
glucotoxic effects on PDX-1 and insulin gene
expression

J.S. HARMON, C.E. GLEASON, Y. TANAKA, E.A. OSEID,
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Unresponsiveness to glibenclamide during chronic
treatment induced by reduction of ATP-sensitive
 K^+ channel activity

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AND S. SEINO 2001

Palmitate and oleate induce the immediate-early
response genes *c-fos* and *nur-77* in the pancreatic
β-cell line INS-1

E. ROCHE, J. BUTEAU, I. ANIENTO, J.A. REIG, B. SORIA,
AND M. PRENTKI 2007

Evidence for a functional role of the
cholecystokinin-B/gastrin receptor in the human
fetal and adult pancreas

C. SAILLAN-BARREAU, M. DUFRESNE, P. CLERC, D. SANCHEZ,
H. COROMINOLA, C. MORISCOT, O. GUY-CROTTE, C. ESCRIEU,
N. VAYSSE, R. GOMIS, N. TARASOVA, AND D. FOURMY 2015

PATHOPHYSIOLOGY

Metabolic impact of glucokinase overexpression in
liver: lowering of blood glucose in fed rats is
accompanied by hyperlipidemia

R.M. O'DOHERTY, D.L. LEHMAN, S. TÉLÉMAQUE-POTTS,
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