

ACKNOWLEDGEMENTS The RISC Study is partly supported by EU grant QLG1-CT-2001-01252. Additional support for the RISC Study has been provided by AstraZeneca (Sweden). Dr. R. Catalini (Ancona, Italy) is thanked for his advice and help in preparing the carotid ultrasound protocol. The EGIR Group is supported by Merck Santé (France).

EGIR-RISC Study Group

Project Management Board: B. Balkau, S.W. Coppack, J.M. Dekker, E. Ferrannini, A. Golay, A. Mari, A. Natali, J.R. Petrie, M. Walker.

RISC Recruiting centres

Amsterdam, The Netherlands: R.J. Heine, J. Dekker, G. Nijpels, W. Boorsma. *Athens, Greece:* A. Mitrakou, S. Liatis, K. Kyriakopoulou. *Belgrade, Yugoslavia:* N. Lalic, K. Lalic, A. Jotic, L. Lukic, M. Civcic. *Dublin, Ireland:* J. Nolan, T.P. Yeow, M. Murphy, C. DeLong, G. Neary, M.P. Colgan. *Frankfurt, Germany:* T. Konrad, H. Böhles, S. Fuellert, F. Baer, H. Zuchhold. *Geneva, Switzerland:* A. Golay, V. Barthassat, V. Makoundou, T.N.O. Lehmann, E. Harsch Bobbioni, T. Merminod. *Glasgow, Scotland:* J.R. Petrie, C. Perry, F. Neary, C. MacDougall, K. Shields, L. Malcolm. *Kuopio, Finland:* M. Laakso, U. Salmenniemi, A. Aura, R. Raisanen, U. Ruotsalainen, T. Sistonen, M. Laitinen. *London, England:* S. Coppack, P. McIntosh, G. Hood, P. Khadobaksh. *Lyon, France:* M. Laville, A. Brac de la Perriere, C. Louche-Pelissier, C. Maitrepierre, J. Peyrat, A. Serusclat. *Madrid, Spain:* R. Gabriel, E.M. Sánchez, R. Carraro, A. Frieria, B. Novella. *Malmö, Sweden (1):* P. Nilsson, M. Persson, G. Östling, (2): O. Melander, P. Burri. *Milan, Italy:* P.M. Piatti, L.D. Monti, E. Setola, F. Minicucci, A. Colleluori. *Newcastle-upon-Tyne, England:* M. Walker, I.M. Ibrahim, D. Carman, Y. McGrady, D. L. Richardson. *Odense, Denmark:* H. Beck-Nielsen, P. Staehr, K. Hojlund, V. Jensen, C. Olsen. *Perugia, Italy:* G.B. Bolli, F. Porcellati, C. Fanelli, M. Romolini, F. Calcinaro, A. Saturni. *Pisa, Italy:* E. Ferrannini, A. Natali, E. Muscelli, S. Pinnola, M. Kozakova. *Rome, Italy:* G. Mingrone, P. Di Rocco, A. Favuzzi. *Vienna, Austria:* W. Waldhäusl, M. Roden, C. Anderwald, A. Hofer.

Core laboratories and reading centres: *Lipids (Dublin, Ireland):* J. Nolan, P. Gaffney. *Hormones (Odense, Denmark):* H. Beck-Nielsen, C. Olsen, L. Hansen. *Albumin:creatinine (Amsterdam, The Netherlands):* J. Dekker, A. Kok; *Genetics (Newcastle-upon-Tyne, UK):* M. Walker. *Stable glucose isotope (Pisa, Italy):* A. Gastaldelli, D. Ciociaro. *Ultrasound reading centre (Pisa, Italy):* E. Ferrannini, M. Kozakova. *ECG reading centre (Amsterdam, The Netherlands):* J. Dekker, G. Nijpels.

Coordinating office: *Pisa, Italy,* E. Ferrannini, L. Mota, L. Landucci. **Data management:** *Villejuif, France,* B. Balkau, L. Mhamdi; *Padova, Italy:* A. Mari; *Pisa, Italy:* L. Mota **Mathematical modelling and website management:** *Padova, Italy,* A. Mari, G. Pacini, C. Cavaggion.

Further information on the RISC project and participating centres can be found on <http://www.egir.org>.

Table 1S: Pearson correlation coefficients (*r*) with one-hour plasma glucose (1hPG) and two-hour plasma glucose (2hPG) levels following a 75 g oral glucose tolerance test.

Parameter	Unit of Measurements	1hPG		2hPG	
		r	P	r	P
<i>Insulin sensitivity</i>	[log($\mu\text{mol}\cdot\text{min}^{-1}\cdot\text{kg}_{\text{FFM}}^{-1}\cdot\text{nmol/l}^{-1}$)]	-0.31	<0.001	-0.32	<0.001
<i>Insulin clearance</i>	(1/min/m ²)	-0.05	0.112	-0.06	0.054
<i>Basal insulin secretion</i>	(pmol·min ⁻¹ ·m ⁻²)	0.30	<0.001	0.24	<0.001
<i>Total insulin secretion</i>	(nmol·m ⁻²)	0.43	<0.001	0.35	<0.001
<i>Hepatic insulin</i>	(adimensional)	-0.11	<0.001	-0.10	<0.001
<i>Glucose Sensitivity</i>	(pmol·min ⁻¹ ·m ⁻² ·mM ⁻¹)	-0.46	<0.001	-0.26	<0.001
<i>Rate Sensitivity</i>	(pmol·m ⁻² ·mM ⁻¹)	-0.18	<0.001	-0.11	0.001
<i>Potential factor</i>	(fold)	-0.18	<0.001	-0.36	<0.001