



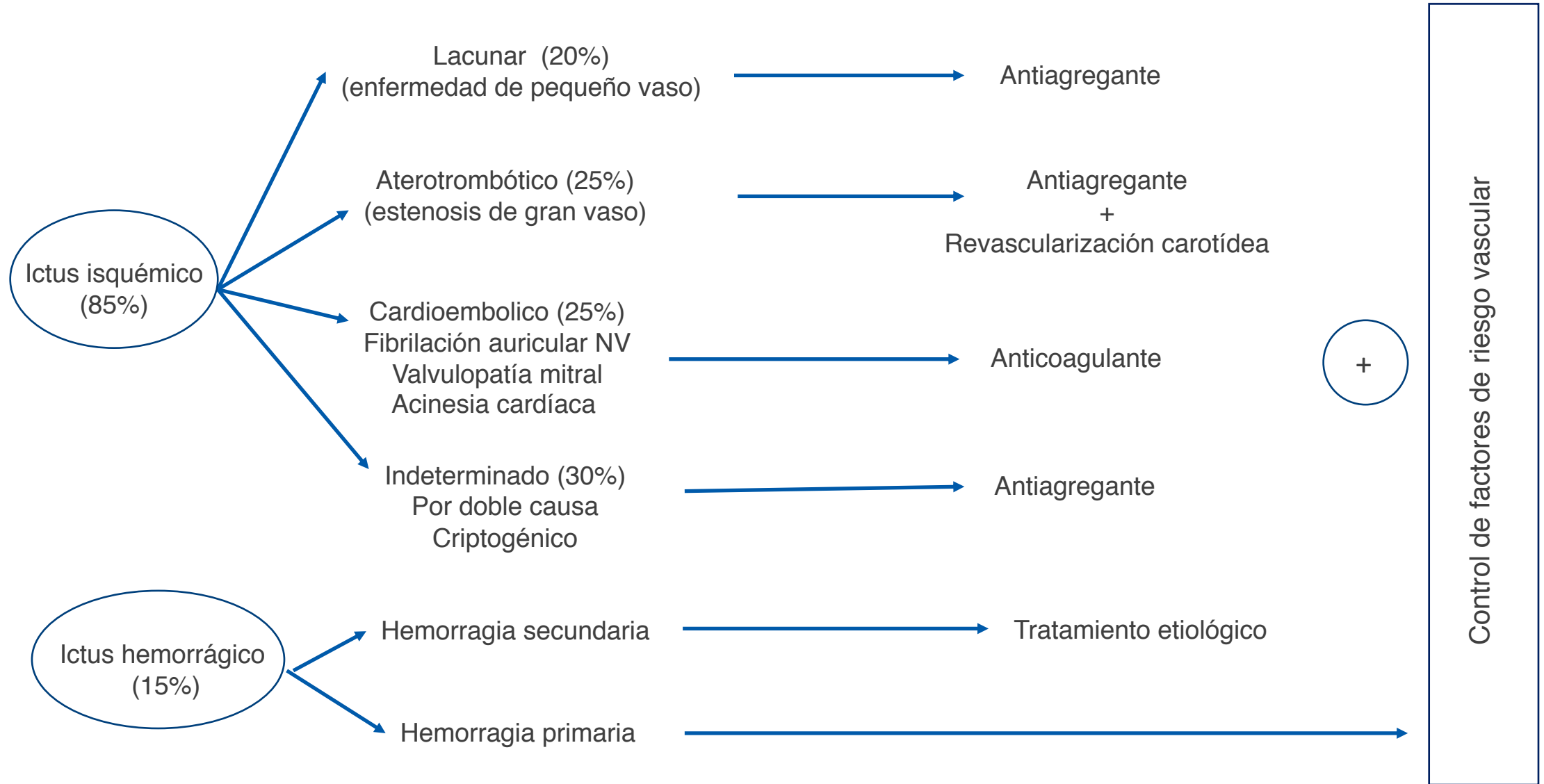
I REUNIÓN ANUAL RICORS – ICTUS

LÍNEA PREVENCIÓN SECUNDARIA

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CHU A Coruña CHU Albacete

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Estrategias terapéuticas en prevención secundaria de ictus



Efecto del control de factores de riesgo en prevención secundaria de ictus

Intervention	Stroke Risk per Year (%)		Relative Risk Reduction (95% CI) (%)	Absolute Risk Reduction (%)
	Control	Intervention		
Blood pressure-lowering (by 5 mm Hg systolic)	3.3	2.9	13 (8 to 19)	0.4
LDL cholesterol-lowering (by 1 mmol/l LDL) with statin	2.4	2.1	12 (1 to 22)	0.3
Aspirin *	2.5	2.1	19 (8 to 29)	0.4
Aspirin and ER dipyridamole (vs. aspirin)	4.3	3.5	18 (9 to 26)	0.8
Clopidogrel (vs. aspirin)	5.8	5.3	8.7 (0.3 to 16)	0.5
Aspirin and ER dipyridamole (vs. clopidogrel)	3.6	3.6	-1 (-11 to 8)	0.0
Anticoagulation for AF	12.0	4.7	66 (43 to 80)	7.3
PFO closure	2.0	0.3	87 (33 to 100)	0.17
Carotid revascularization for 70-99% symptomatic carotid stenosis	6.0	3.0	48 (38 to 60)	3.0

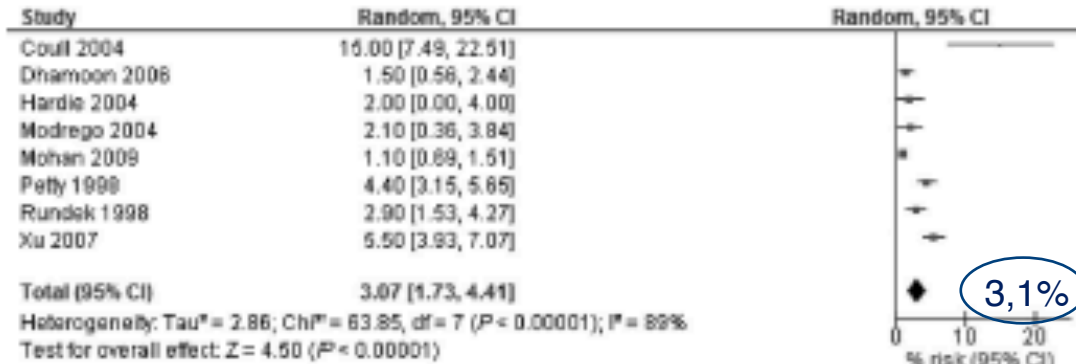
*Dosis efectiva: 30-1.600 mg/24h; Dosis recomendada: 100 mg/24h

Risk and Cumulative Risk of Stroke Recurrence

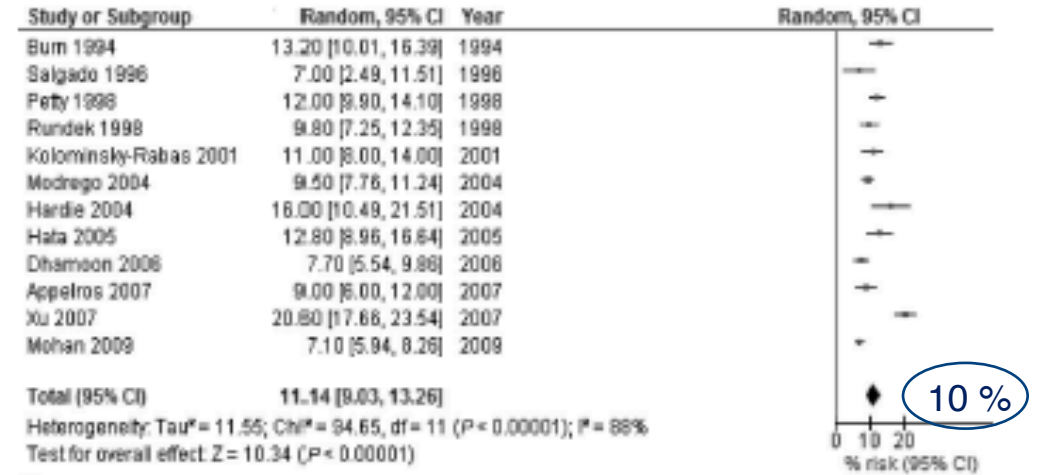
A Systematic Review and Meta-Analysis

Keerthi M. Mohan, MRCP; Charles D.A. Wolfe, MD, FFPH; Anthony G. Rudd, FRCP;
Peter U. Heuschmann, MD, MPH; Peter L. Kolominsky-Rabas, MD, MBA; Andrew P. Grieve, PhD, DSc

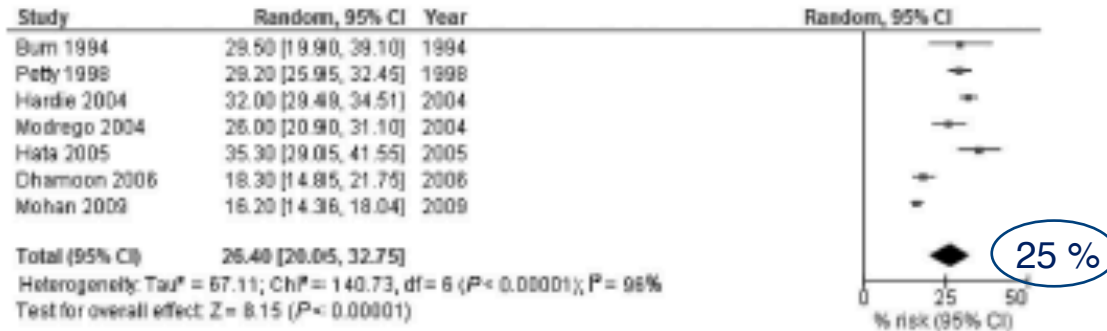
Stroke. 2011;42:1489-1494.



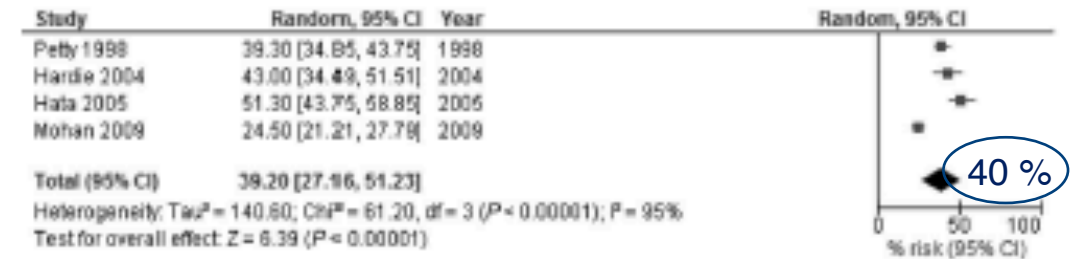
Cumulative risk of stroke recurrence **30 days after first-ever stroke**



Cumulative risk of stroke recurrence **1 year after first-ever stroke**



Cumulative risk of stroke recurrence **5 years after first-ever stroke**



Cumulative risk of stroke recurrence **10 years after first-ever stroke**

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Objetivo general

The general objective of this work package is to improve the **identification** of patients at the highest risk of **stroke recurrence**, so that the recurrence risk profile can be individualized in order to establish the most effective **preventive strategy** for each patient.

Lead partners:

Mar Castellanos (RG 6)

Tomás Segura (RG 16)

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Paquetes de trabajo

WP1. Identification of mechanisms related to the development of active (high risk) atherosclerotic plaques

WP2. Improvement of the management of patients diagnosed and suspected hidden atrial fibrillation

WP3. Identification of risk factors associated with stroke in children and young adults

WP4. Analysis of genetic factors associated with stroke risk

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Objetivos WP1.

Identification of mechanisms related to the development of active (high risk) atherosclerotic plaques

- 1.- Description of **radiological techniques** to identify **high-risk intracranial atheroma plaques**
- 2.- Identification of **serum biomarkers** capable of **predicting instability of intracranial atheromatous plaques**
- 3.- Development of an **animal model of intracranial atheromatosis**
- 4.- Description of **predictive factors for complications after carotid angioplasty/stenting procedures.**

Participants:

Jordi Jiménez Conde (RG 7)

Francisco Purroy (RG11)

Mónica Millán (RG 12)

Mar Freijo (RG 14)

Joan Salom (RG 15)

Joan Montaner (RG 17)

Ángeles Almeida (RG 19)

Juan Arenillas (RG 20)

Enrique Palacio-Portilla (CA 4)

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Objetivos WP2.

Improvement of the management of patients diagnosed and suspected hidden atrial fibrillation

- 1.- Selection of **patients with high risk of developing atrial fibrillation** from general population non-previously diagnosed with stroke who will be monitored with an EKG recording band system
- 2.- To develop a **computational system** able to non-invasively estimate **subtle changes in the atrial substrate predisposing to develop atrial fibrillation** after otherwise **cryptogenic stroke**
- 3.- To better understand the **risk factors for recurrence in patients with cardioembolic stroke** who are correctly anticoagulated.

Participants:

Blanca Fuentes (RG 2)
José A Vivancos (RG 3)
Mar Castellanos (RG6)
Jordi Jiménez Conde (RG 7)
Joaquín Serena (RG 8)
Joan Martí/ Israel Fernández (RG 9)
Mónica Millán (RG 12)
Mar Freijo (RG14)
Tomás Segura (RG 15)

Manuel Gómez-Choco (CA 1)
Enrique Palacio-Portilla (CA 4)
José María Ramírez (CA 5)
Juan Carlos López/Negrín (CA 6)
Ana Morales (CA 7)

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Objetivos WP3.

Identification of risk factors associated with stroke in children and young adults.

- 1.- To improve knowledge about cerebral vascular disease in the pediatric and young adult population
- 2.- To prospectively collect data on pediatric stroke and on young adult stroke.

Participants:

Blanca Fuentes (RG 2)
Francisco Purroy (RG 11)
Patricia Martínez (RG 18)

Ana Morales (CA 7)

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Objetivos WP4.

Analysis of genetic factors associated with stroke risk

- 1.- To find new genetic risk factors for ischemic stroke following the strategy of analyze homogeneous populations
- 2.- To use this information to generate clinical-genetic scores to stroke risk prediction

Participants:

Francisco Campos (RG 5)
Mar Castellanos (RG 6)
Joan Martí/ Israel Fernández (RG 9)
Francisco Purroy (RG 11)
Mar Freijo (RG 14)
Mónica Millán (RG 12)
Tomás Segura (RG 16)
Joan Montaner (RG 17)
Juan Arenillas (RG 20)
Elena López-Cancio (RG 22)
Cristófol Vives (RG 23)

Juan Carlos López/ Negrín (CA 6)
Ana Morales (CA 7)