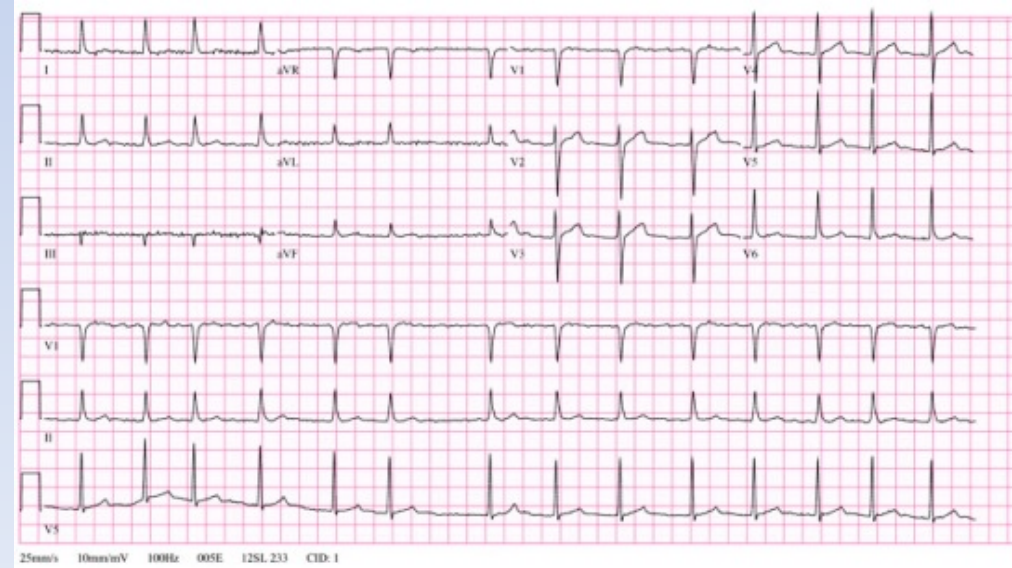


AOMI et FA: Quelle Stratégie Anti-Thrombotique?

Pr. Victor Aboyans
Service de Cardiologie
CHU Dupuytren,
Limoges, France

Cas Clinique

- Homme 75 ans, DNID, ex-fumeur, HTA.
- ATCD **pontage aorto-iliaque** il y a 5 ans. Asymptomatique.
- Trt: Metformine, Ramipril, Pravastatine, **Aspirine 75mg**.
- Consultation: épisodes de palpitation.
- Clin: BDC irréguliers sans souffle. Pas d'IC.
- ECG: **Fibrillation atriale**, 90-100 bpm.
- ETT: FEVG 58%. Pas de valvulopathie.
- Bio: eGFR = 65 ml/mn. TSH: N.



Cas Clinique

Quelle serait votre stratégie antithrombotique?

A- AVK + Aspirine

B- NACO + Aspirine

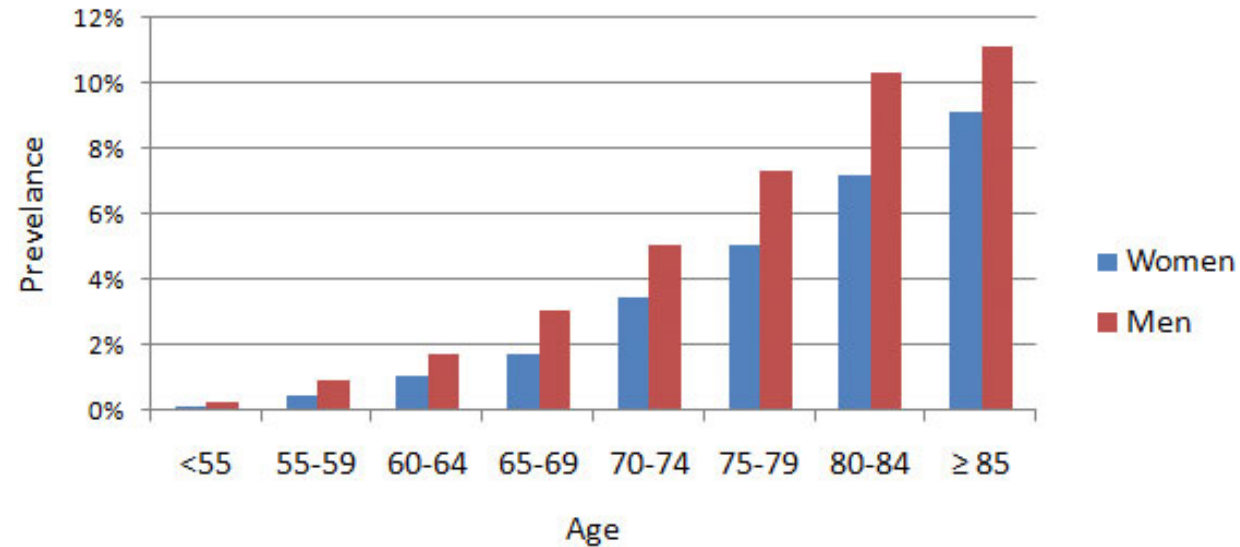
C- AVK seul

D- NACO seul

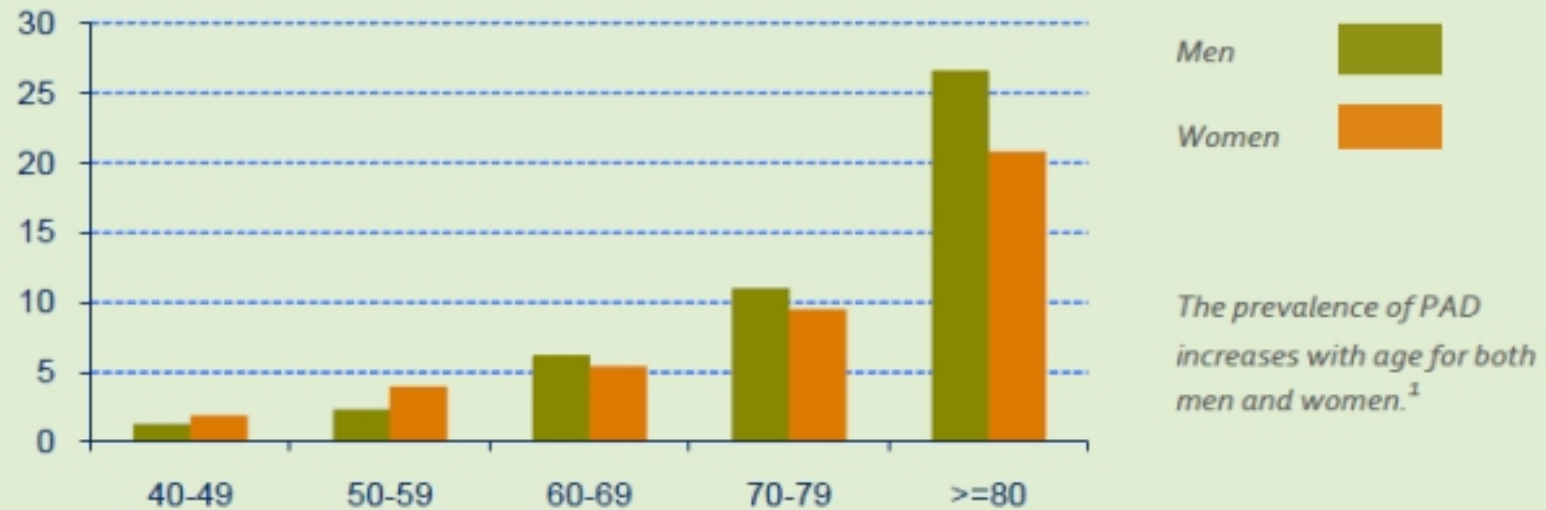
E- Aspirine seule

AOMI & FA: 2 maladies fréquentes avec l'âge

FA



AOMI



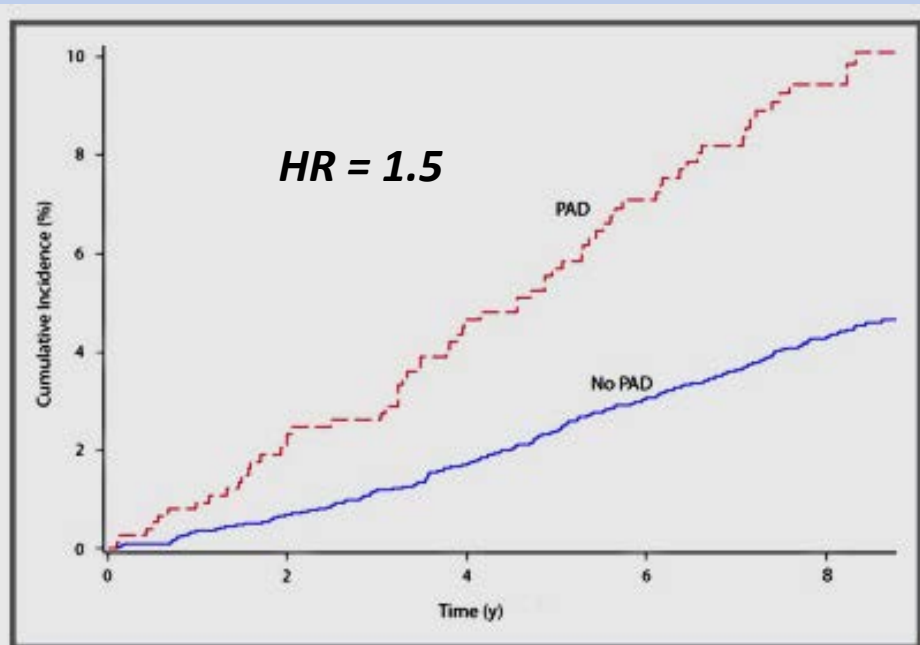
AOMI: risque élevé de FA: Etude CHS

- 5143 participants sains, 11 ans de suivi
- Incidence de FA:
 - Sans AOMI: 23.3 / 1000 person-years
 - Avec AOMI: 32.9 / 1000 person-years
- L'apparition d'une AOMI au cours du temps était un facteur prédictif indépendant de survenue de FA: HR = 1,52
- A chaque baisse d'IPS de 0,10 = 6% d'augmentation de risque de FA

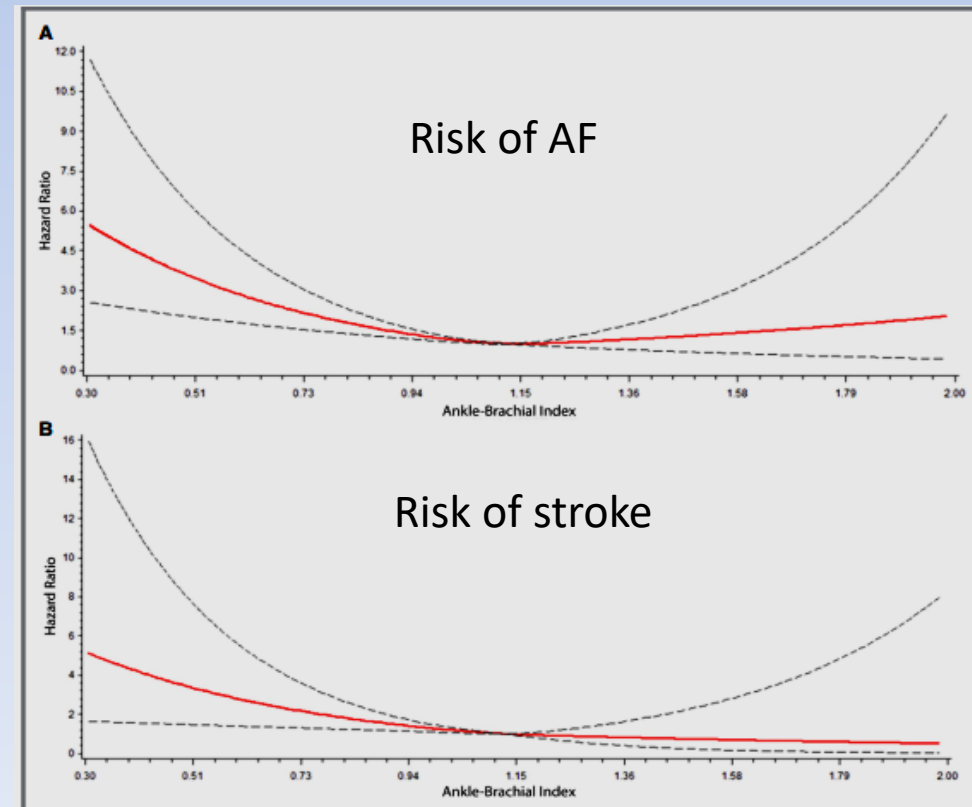
Peripheral Arterial Disease and Risk of Atrial Fibrillation and Stroke: The Multi-Ethnic Study of Atherosclerosis

Wesley T. O'Neal, MD, MPH; Jimmy T. Efirid, PhD, MSc; Saman Nazarian, MD, PhD; Alvaro Alonso, MD, PhD; Susan R. Heckbert, MD, PhD; Elsayed Z. Soliman, MD, MSc, MS

- Etude MESA: 6800 participants sans ATCD CV



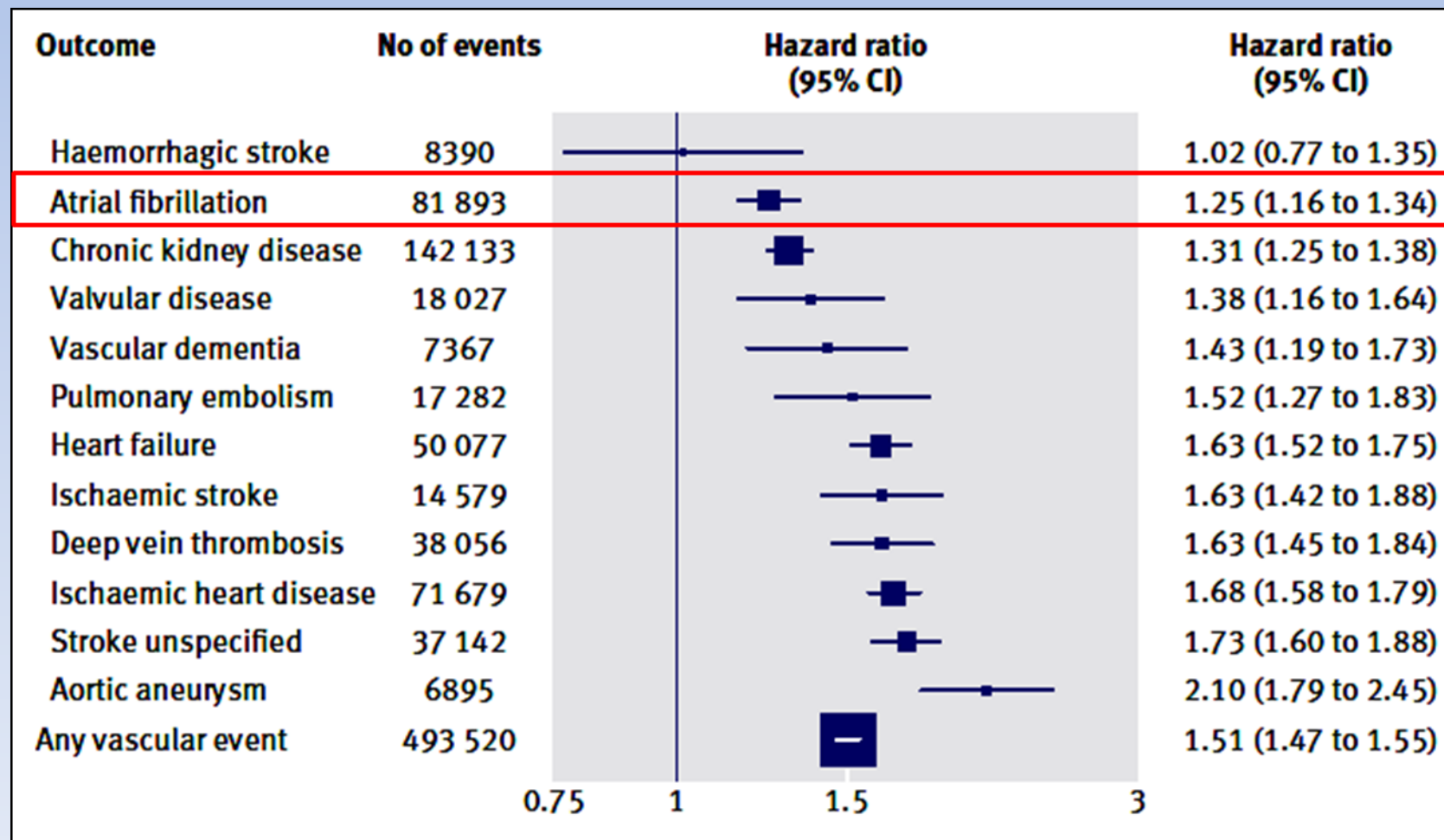
J Am Heart Assoc 2014



Usual blood pressure, peripheral arterial disease, and vascular risk: cohort study of 4.2 million adults

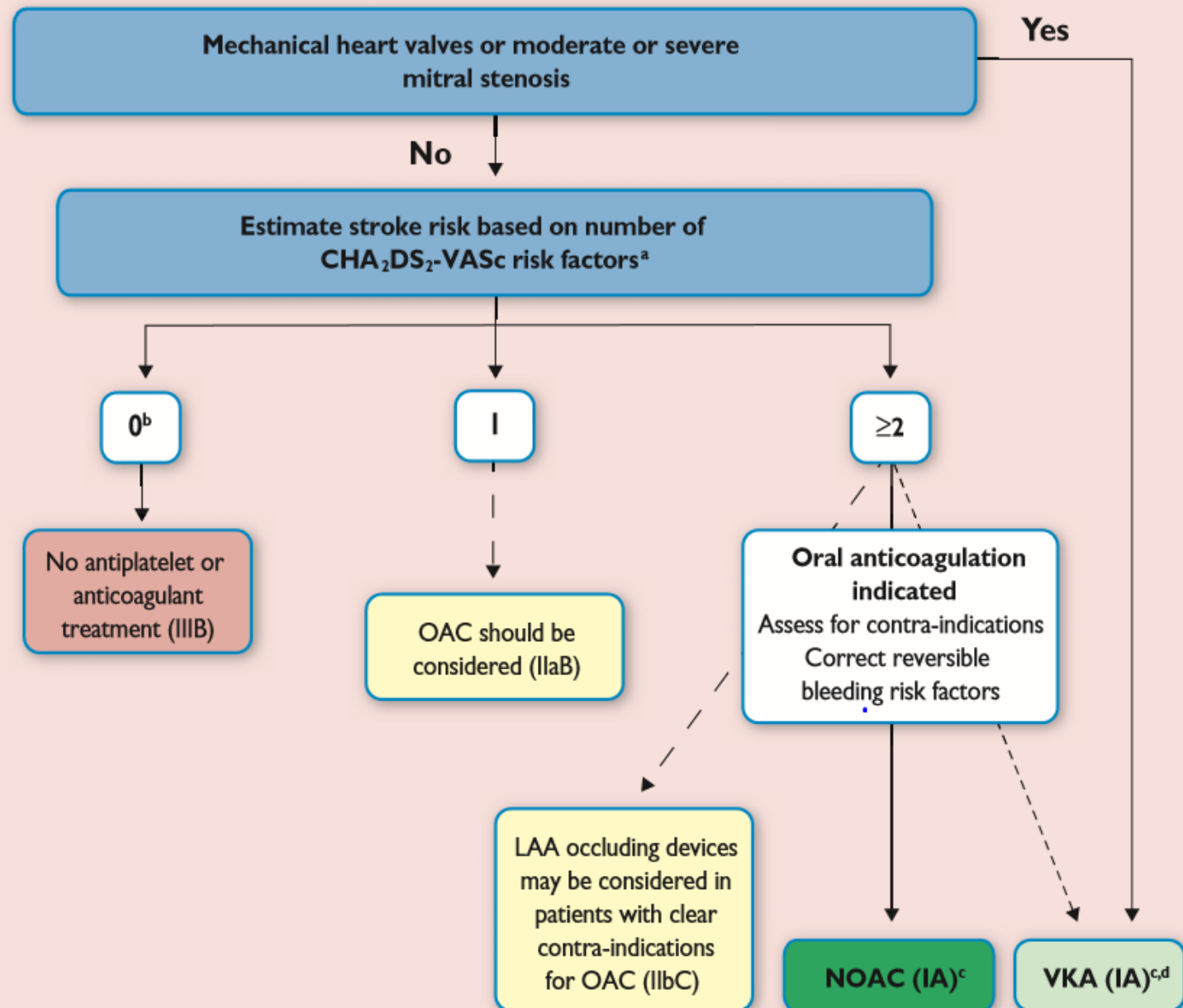
BMJ 2015

Connor A Emdin,¹ Simon G Anderson,¹ Thomas Callender,¹ Nathalie Conrad,¹ Gholamreza Salimi-Khorshidi,¹ Hamid Mohseni,¹ Mark Woodward,^{2,3} Kazem Rahimi^{1,4}



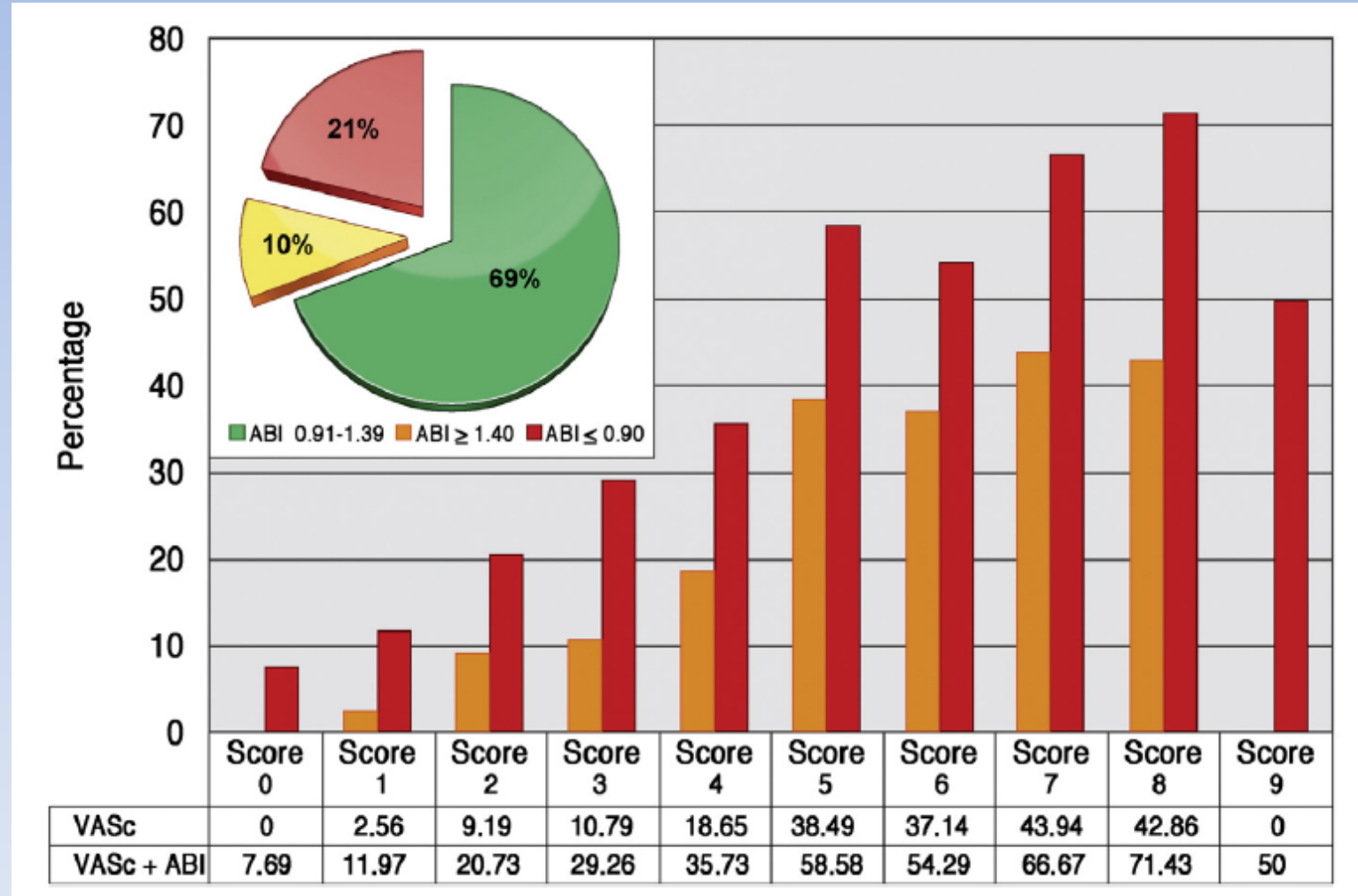
FA et anticoagulants: Recos ESC 2016

Risk factor	Score
Congestive heart failure/LV dysfunction	1
Hypertension	1
Age ≥ 75	2
Diabetes mellitus	1
Stroke/TIA/thrombo-embolism	2
Vascular disease ^a	1
Age 65–74	1
Sex category (i.e. female sex)	1



IPS chez les patients en FA

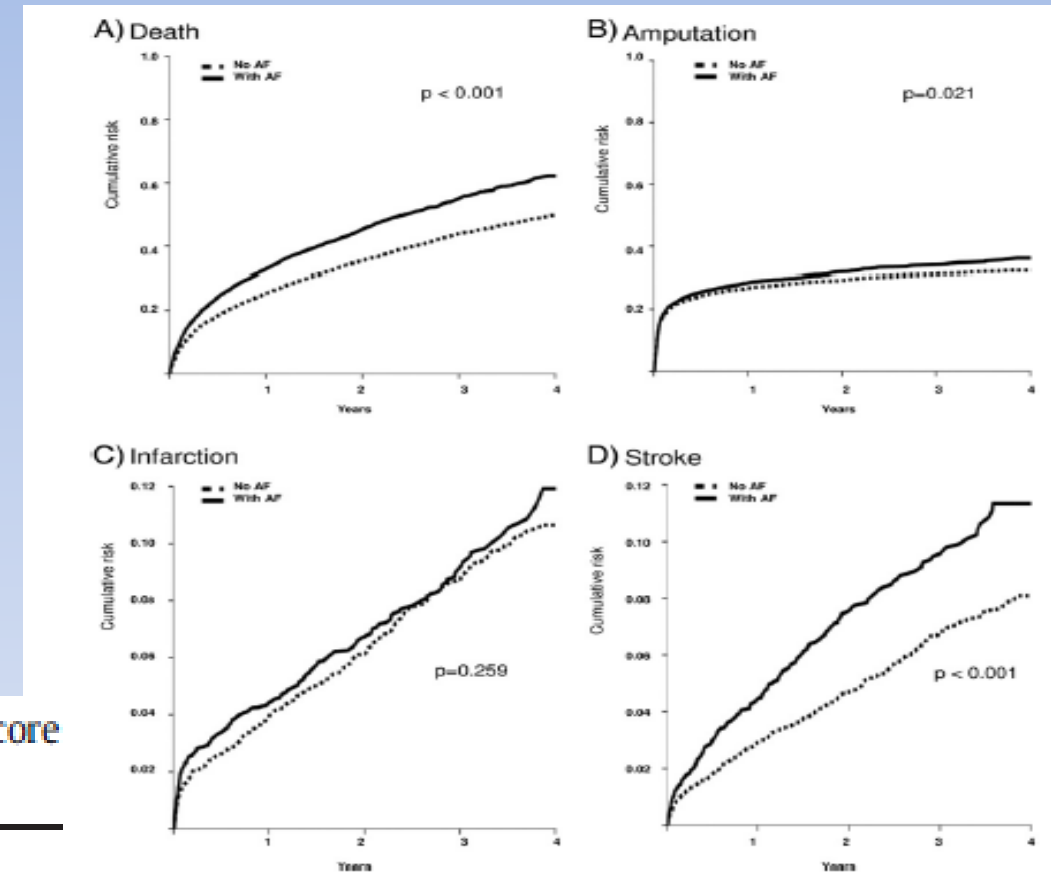
- ARAPACIS : 2027 pts hospitalisés pour FA non-valvulaire.
- IPS systématique.



Patients avec AOMI: la FA est pronostique

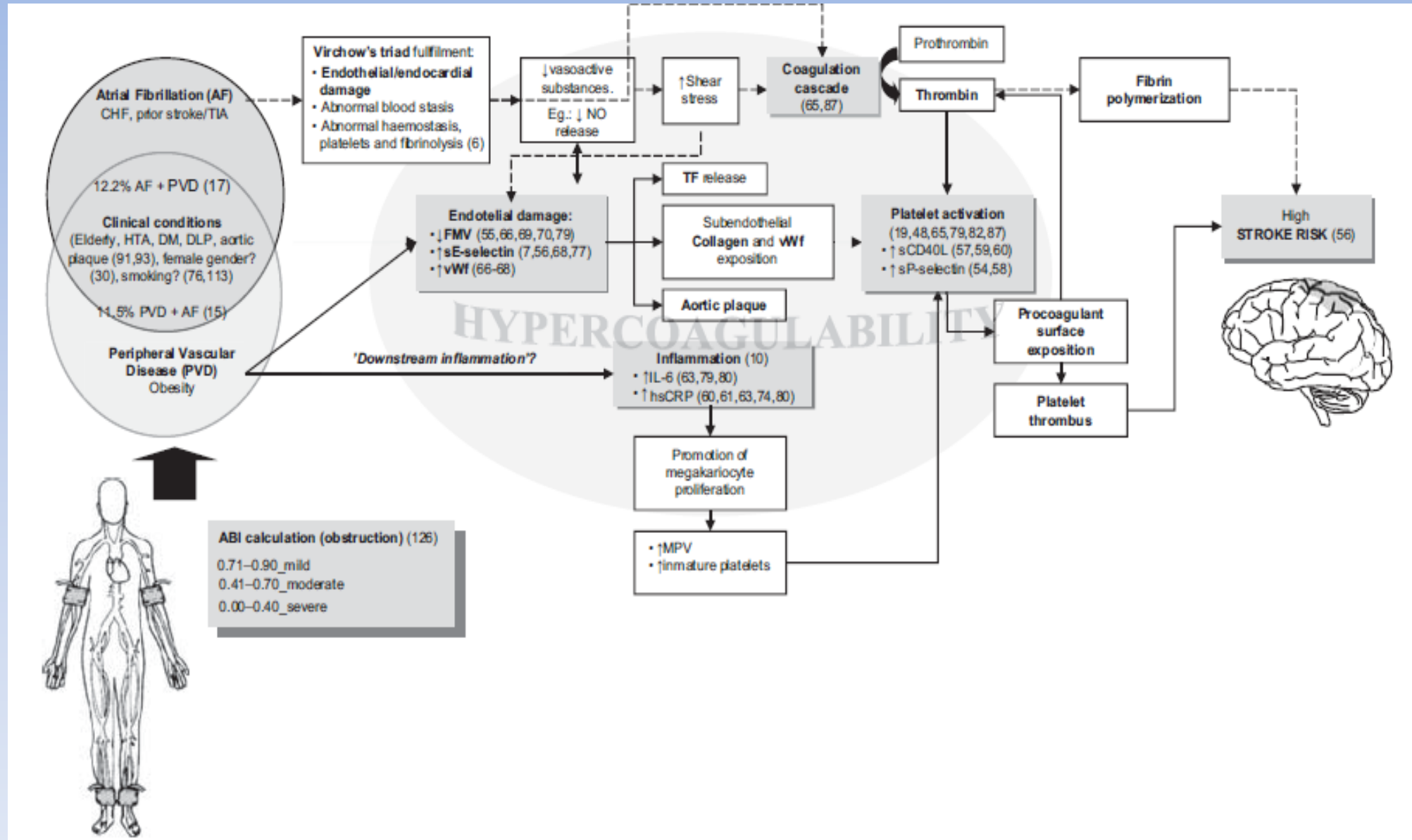
41,882 patients
hospitalisés pour AOMI
2009-2011

Cox regression analyses for long-term outcomes in 11,240 patients after propensity score matching.



	Death		Amputation		Ischemic stroke	
	HRR (95% CI)	p	HRR (95% CI)	p	HRR (95% CI)	p
AF	1.39 (1.32-1.47)	<0.001	1.08 (1.01-1.16)	0.022	1.51 (1.29-1.77)	<0.001

FA, AOMI & hypercoagulabilité



FA & AOMI:

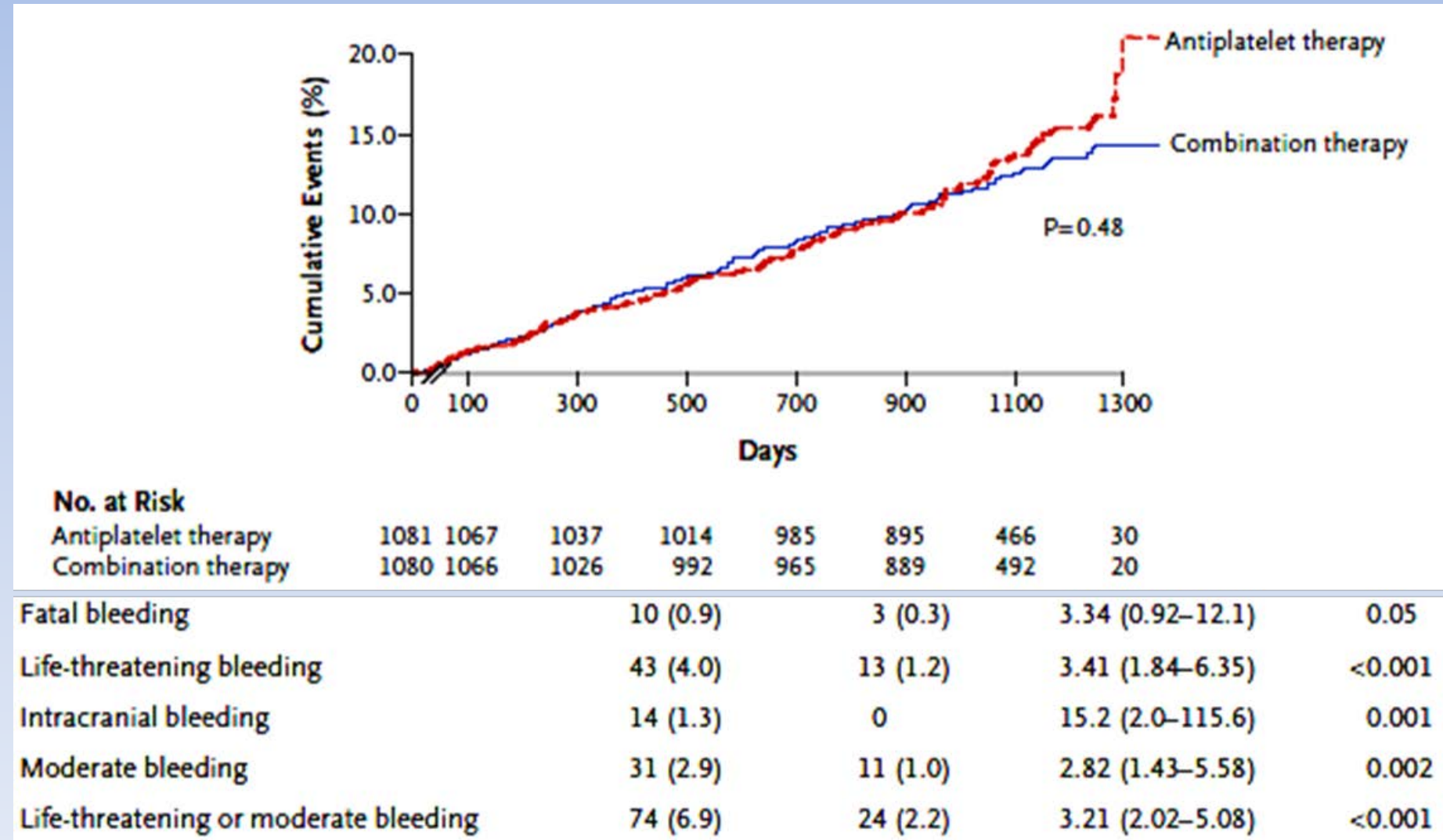
*ANTICOAGULANTS, ANTIPLAQUETTAIRES
OU LES 2?*

AOMI en cas de FA: équation difficile

- 287 patients consécutifs anticoagulés pour FA, avec INR stabilisés sous AVK durant 6 mois (INR 2,0–3,0).
- IPS mesuré. IPS anormal dans 27% des cas:
 - ↑ risque de mortalité ajusté au score de CHADS. HR: 2,76 (p=0,033)
 - ↑ risque de saignement majeur même après ajustement au score HAS-BLED. HR: 2,47 (p=0,047).

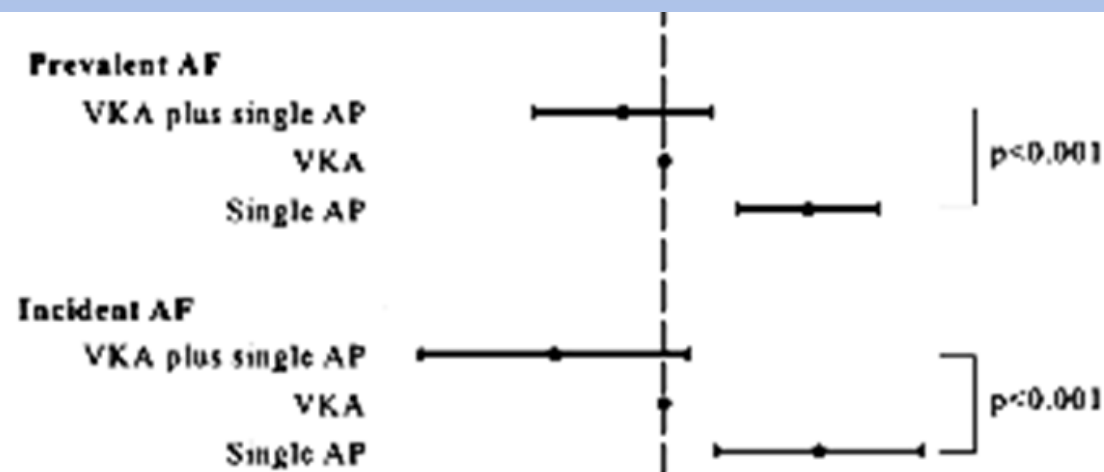
WAVE

- 2161 patients avec AOMI
- Aspirine vs. Aspirine + AVK (INR 2-3)

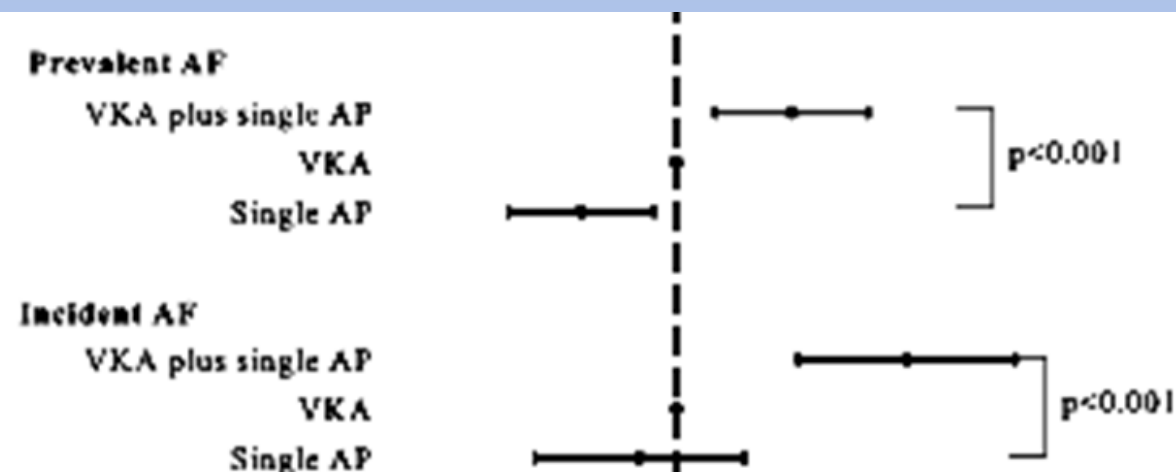
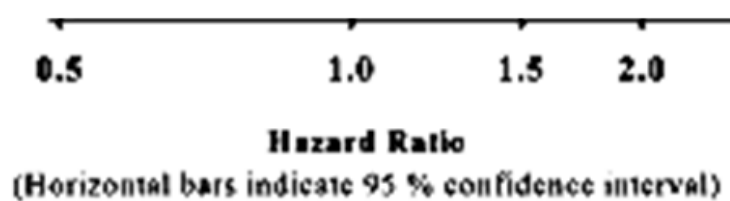


Antithrombotic Treatment in Patients With Heart Failure and Associated Atrial Fibrillation and Vascular Disease

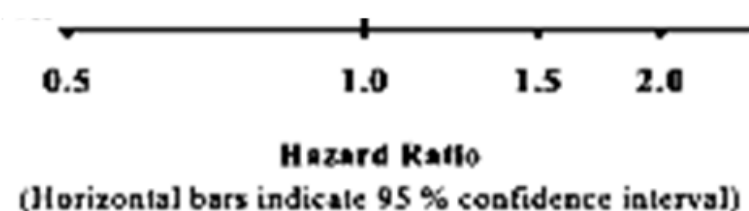
A Nationwide Cohort Study



Arterial thrombo-embolism



Serious Bleeding



CHANGE PAGE

Don't add aspirin for associated stable vascular disease in a patient with atrial fibrillation receiving anticoagulation

Gregory Y H Lip

KEY POINTS

Adding aspirin to warfarin does not seem to prevent stroke and vascular events in patients with atrial fibrillation and stable vascular disease

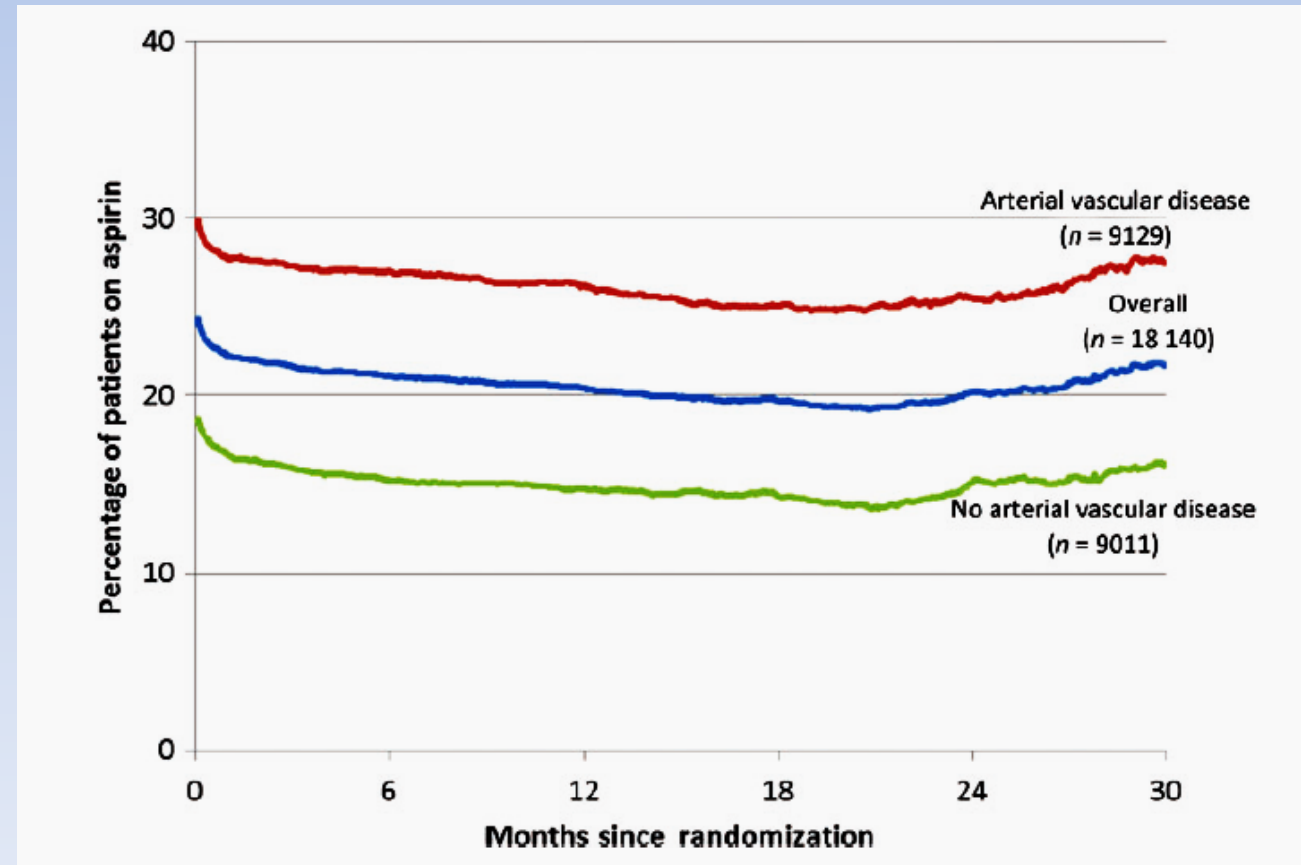
Bleeding risks are much higher in patients prescribed both warfarin and aspirin

We should stop prescribing aspirin plus warfarin to prevent stroke and vascular events in stable patients with atrial fibrillation who are receiving anticoagulation treatment

Apixaban vs. warfarin with concomitant aspirin in patients with atrial fibrillation: insights from the ARISTOTLE trial

Alexander et al, Eur Heart J 2013

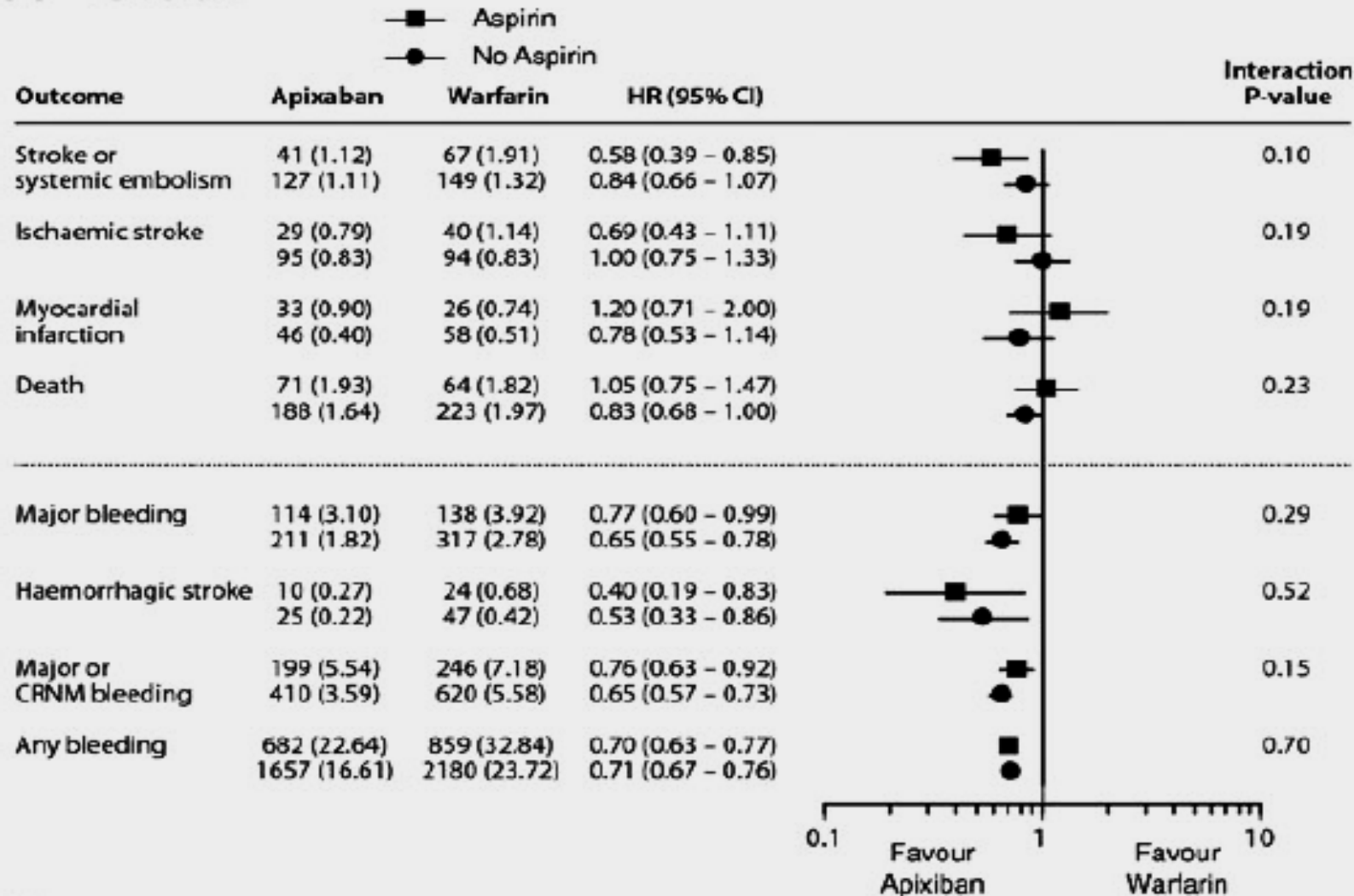
- 18 201 patients en FA parox. ou perm/persistante
- + 1 FdR:
 - Age >75 ans
 - Diabétique
 - HTA
 - Insuff. Cardiaque
 - Dysfonction VG
 - ATCD AVC
- Warfarine vs. Apixaban
- 24% étaient aussi sous Aspirine



Apixaban vs. warfarin with concomitant aspirin in patients with atrial fibrillation: insights from the ARISTOTLE trial

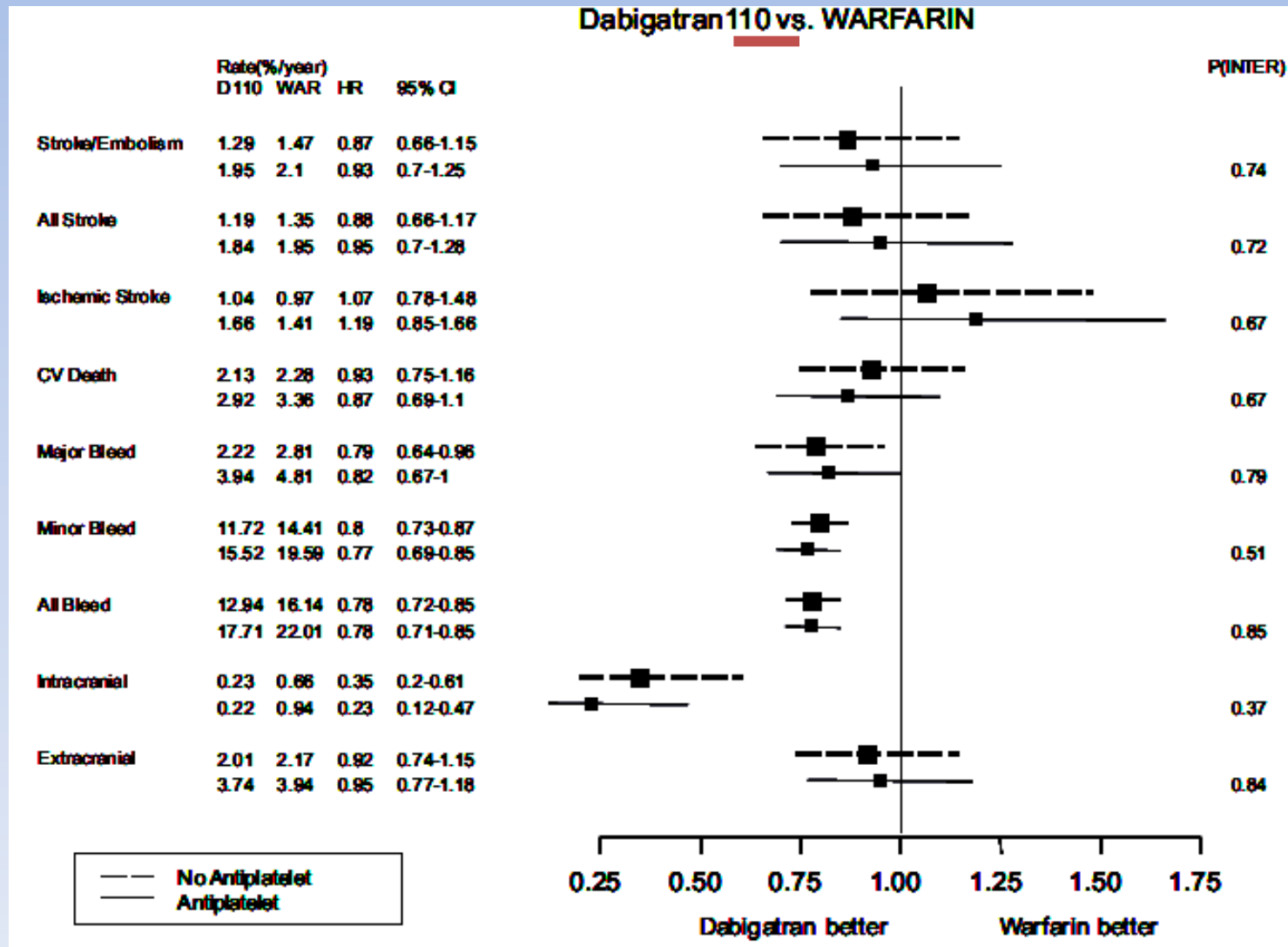
Alexander et al, Eur Heart J 2013

A Overall

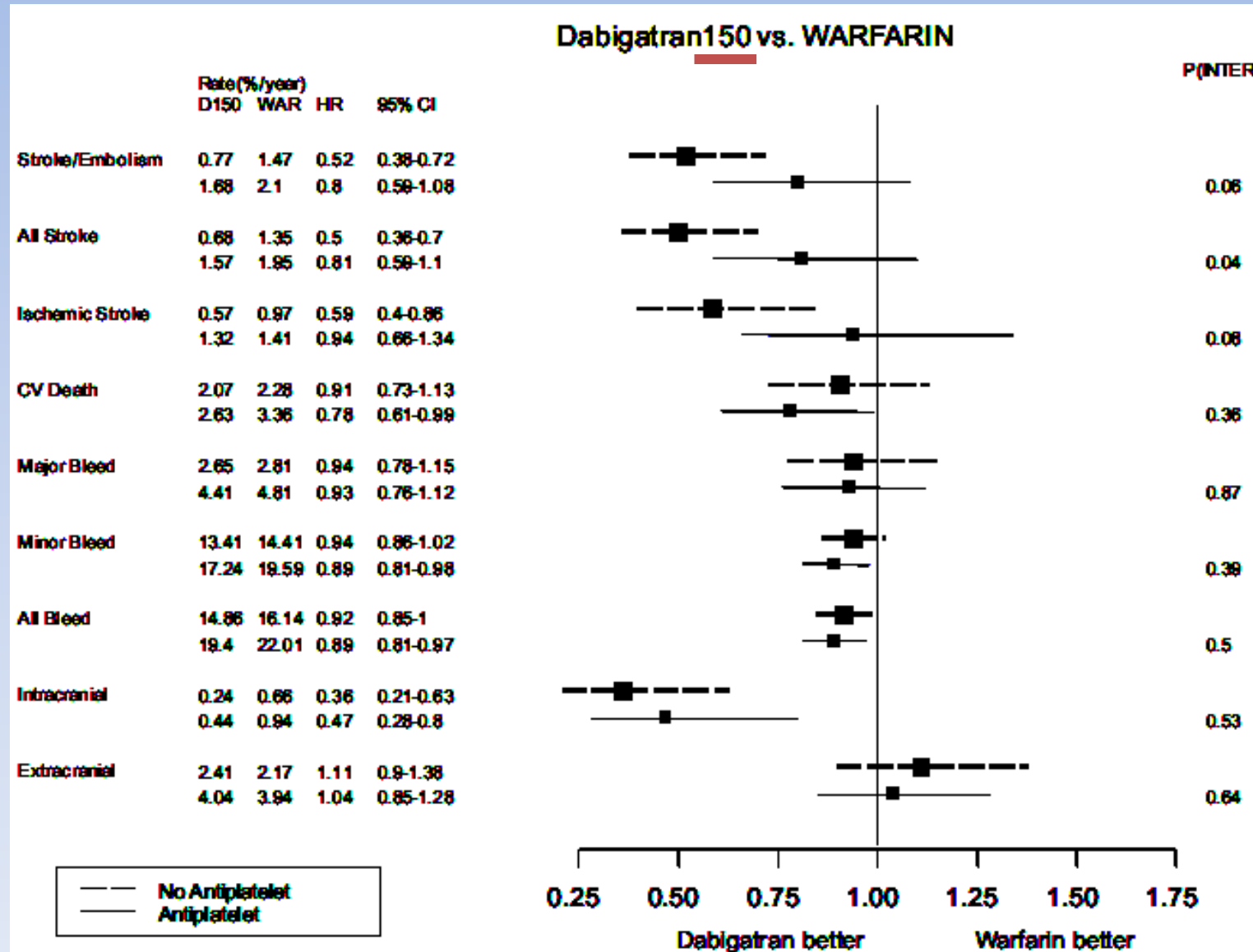


Concomitant Use of Antiplatelet Therapy with Dabigatran or Warfarin in the Randomized Evaluation of Long-Term Anticoagulation Therapy (RE-LY) Trial

- 38% ont reçu à un moment durant le protocole un AAP (aspirine ou clopidogrel)



Concomitant Use of Antiplatelet Therapy with Dabigatran or Warfarin in the Randomized Evaluation of Long-Term Anticoagulation Therapy (RE-LY) Trial





Intracranial Hemorrhage in Atrial Fibrillation Patients During Anticoagulation With Warfarin or Dabigatran : The RE-LY Trial

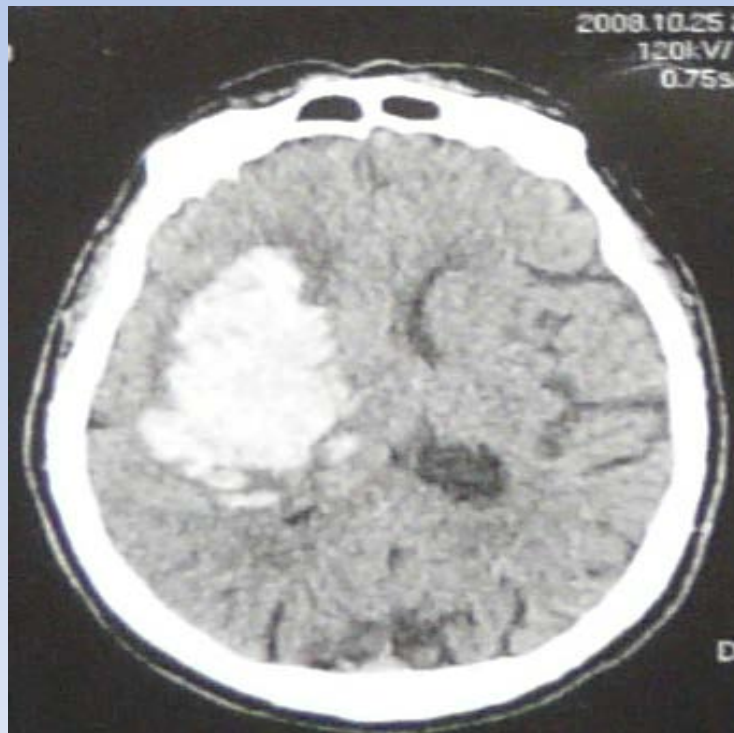
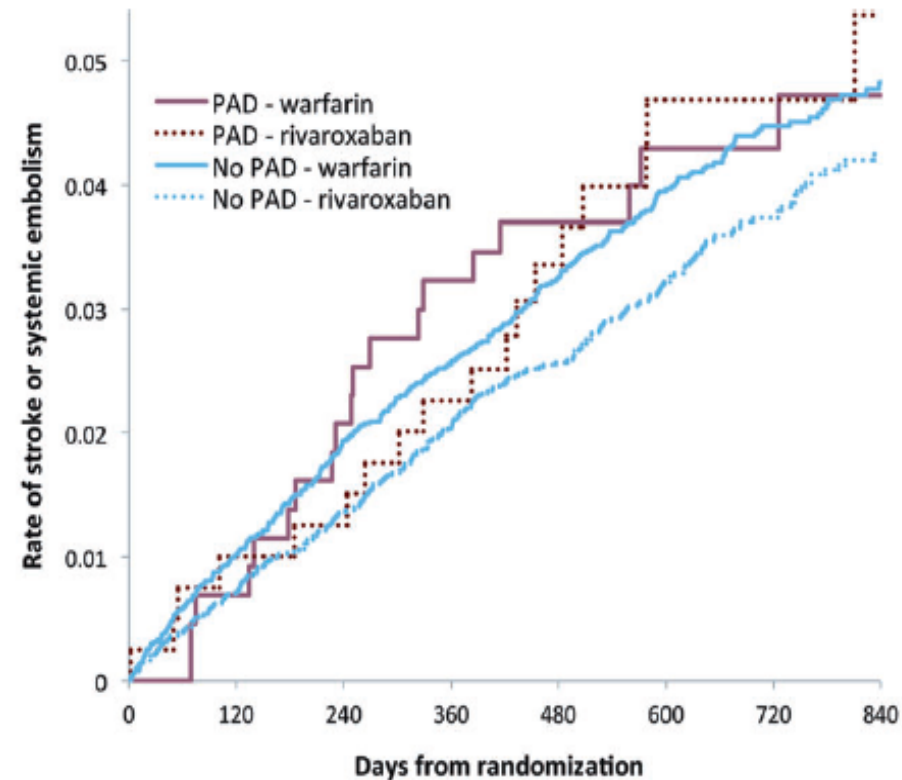


Table 3. Features Independently Predictive of Intracranial Hemorrhage*

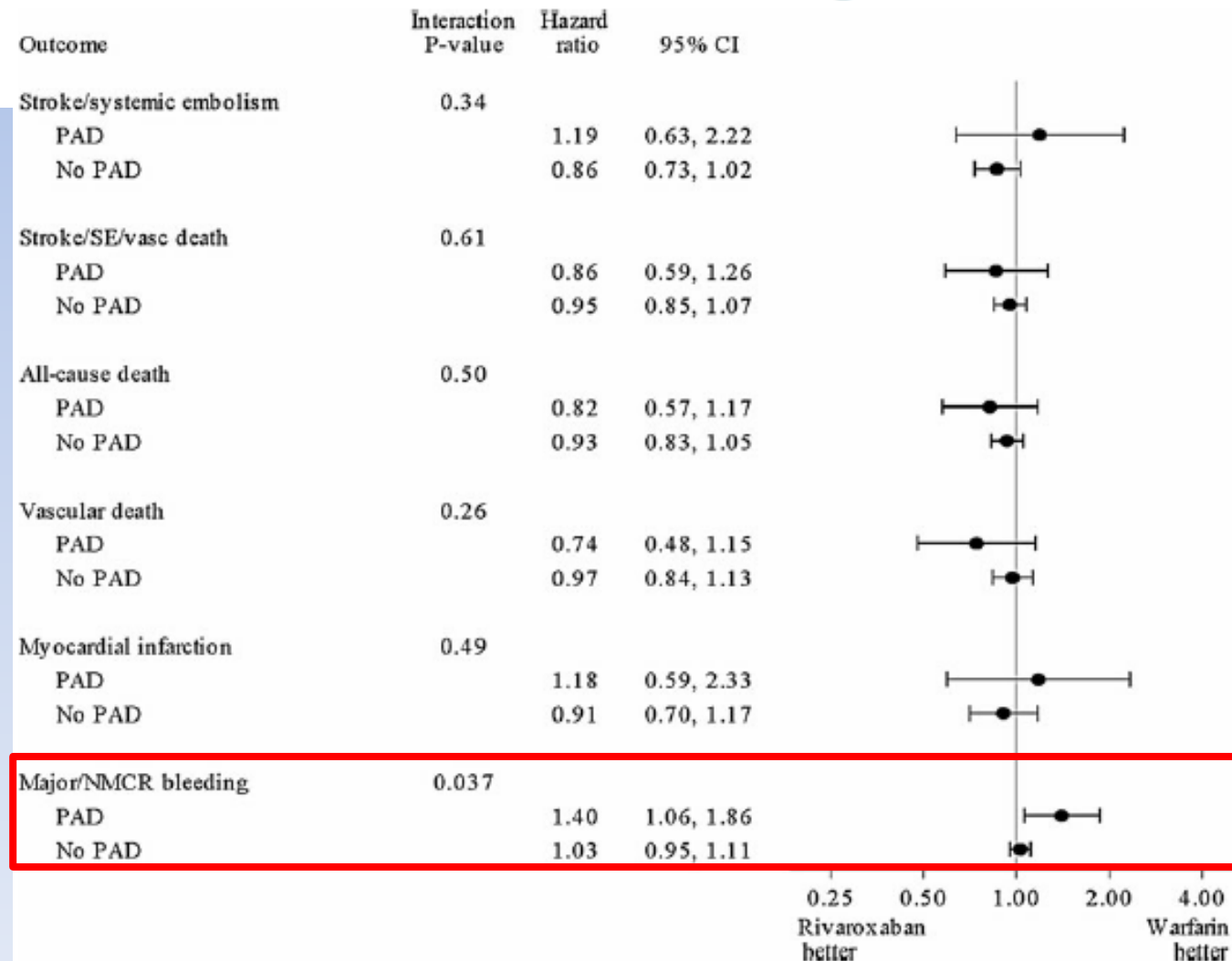
		Relative Risk	<i>P</i> Value
All participants			
All intracranial hemorrhages (n=153)	Age (per y)	1.1	<0.001
	White	0.68	0.02
	Previous stroke/TIA	1.8	0.001
	Assigned warfarin	2.9	<0.001
	<u>Aspirin</u> use	1.6	0.01

Efficacy and safety of rivaroxaban compared with warfarin in patients with peripheral artery disease and non-valvular atrial fibrillation: insights from ROCKET AF

5% des participants avaient une AOMI



Efficacy and safety of rivaroxaban compared with warfarin in patients with peripheral artery disease and non-valvular atrial fibrillation: insights from ROCKET AF



En cas de revascularisation récente

- **ESC Guidelines (2011)**

- AVK au lieu d'aspirine ou du clopidogrel lors de la double thérapie?
- EVITER la triple thérapie+++
- Discussion au cas par cas
- NACOs ??

Dual antiplatelet therapy with aspirin and a thienopyridine for at least one month is recommended after infrainguinal bare-metal-stent implantation.	I	C	
Antiplatelet treatment with aspirin or a combination of aspirin and dipyridamole is recommended after infrainguinal bypass surgery.	I	A	308
Antithrombotic treatment with vitamin K antagonists may be considered after autogenous vein infrainguinal bypass.	IIb	B	309
Dual antiplatelet therapy combining aspirin and clopidogrel may be considered in the case of below-knee bypass with a prosthetic graft.	IIb	B	312

Conclusions

- ***FA et AOMI : une association fréquente***
- ***FA et AOMI: Un défi de prise en charge***
 - Le risque thrombo-embolique est plus élevé (cf CHADS-VASc)
 - Le risque hémorragique est aussi plus élevé
 - Aspirine + AVK vs. AVK seules: plus de risque que de bénéfice
 - NACO et Aspirine dans l'AOMI: peu de données mais semble au moins aussi dangereux (voire plus ?) que l'association AVK-aspirine.
 - Stenting: envisager aspirine + anticoagulant sur la plus courte durée (1 mois?) puis anticoagulant seul. Penser à la protection gastrique+++
 - Des essais spécifiques sont nécessaires
 - En attendant: anticoagulants seuls dans la grande majorité des cas.