

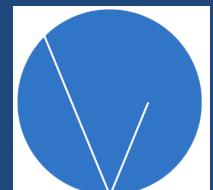
ESISTE UN VANTAGGIO REALE SCEGLIENDO UN NAO PIUTTOSTO CHE IL DICUMEROLICO NELLA GESTIONE DEI PAZIENTI CON FIBRILLAZIONE ATRIALE?

**Come decidere tra una terapia consolidata con il disagio del controllo dell'INR
ed una terapia nuova con il disagio del carico burogratico che comporta**



Milano 9-10 aprile 2015

**Giovanni Corrado, FESC
Unità Operativa di Cardiologia
Ospedale Valduce – Como**



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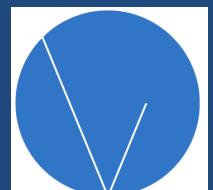
Come decidere tra una terapia consolidata con il disagio del controllo dell'INR
ed una terapia nuova con il disagio del carico burogratico che comporta



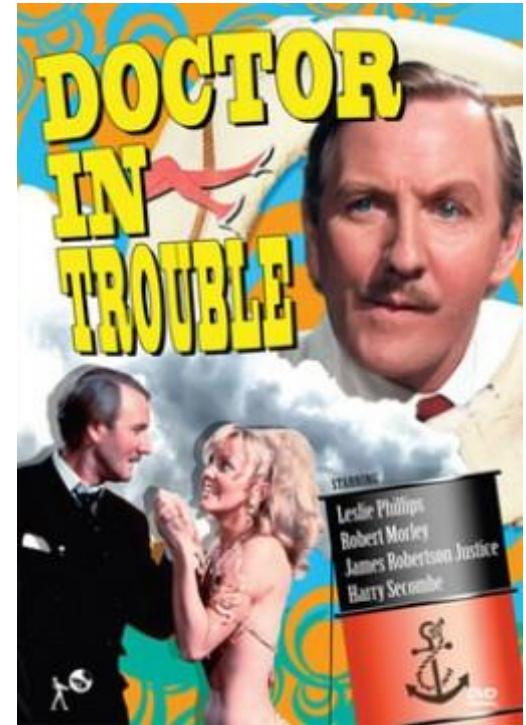
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CONFLITTI DI INTERESSI : NESSUNO



SCILLA E CARIDDI



LE FONTI



European Heart Journal
doi:10.1093/eurheartj/ehs253

ESC GUIDELINES

Eur Heart J August 2012

2012 focused update of the ESC Guidelines for the management of atrial fibrillation

An update of the 2010 ESC Guidelines for the management
of atrial fibrillation

Developed with the special contribution of the European Heart
Rhythm Association

Authors/Task Force Members: A. John Camm (Chairperson) (UK)*,
Gregory Y.H. Lip (UK), Raffaele De Caterina (Italy), Irene Savelieva (UK),
Dan Atar (Norway), Stefan H. Hohnloser (Germany), Gerhard Hindricks (Germany),
Paulus Kirchhof (UK)

Linee guida AIAC per la gestione
e il trattamento della fibrillazione atriale.
Aggiornamento 2013

Antonio Raviele (Chairman)¹, Marcello Disertori² (Co-Chairman), Paolo Alboni³, Emanuele Bertaglia⁴,
Gianluca Botto⁵, Michele Brignole⁶, Riccardo Cappato⁷, Alessandro Capucci⁸, Maurizio Del Greco²,
Roberto De Ponti⁹, Matteo Di Biase¹⁰, Giuseppe Di Pasquale¹¹, Michele Gulizia¹², Federico Lombardi¹³,
Sakis Themistoclakis¹⁴, Massimo Tritto¹⁵

G Ital Cardiol 2013; 14: 215-40



LA STRATIFICAZIONE DEL RISCHIO



The Risk of
Systemic Thromboembolism
in Patients With AF

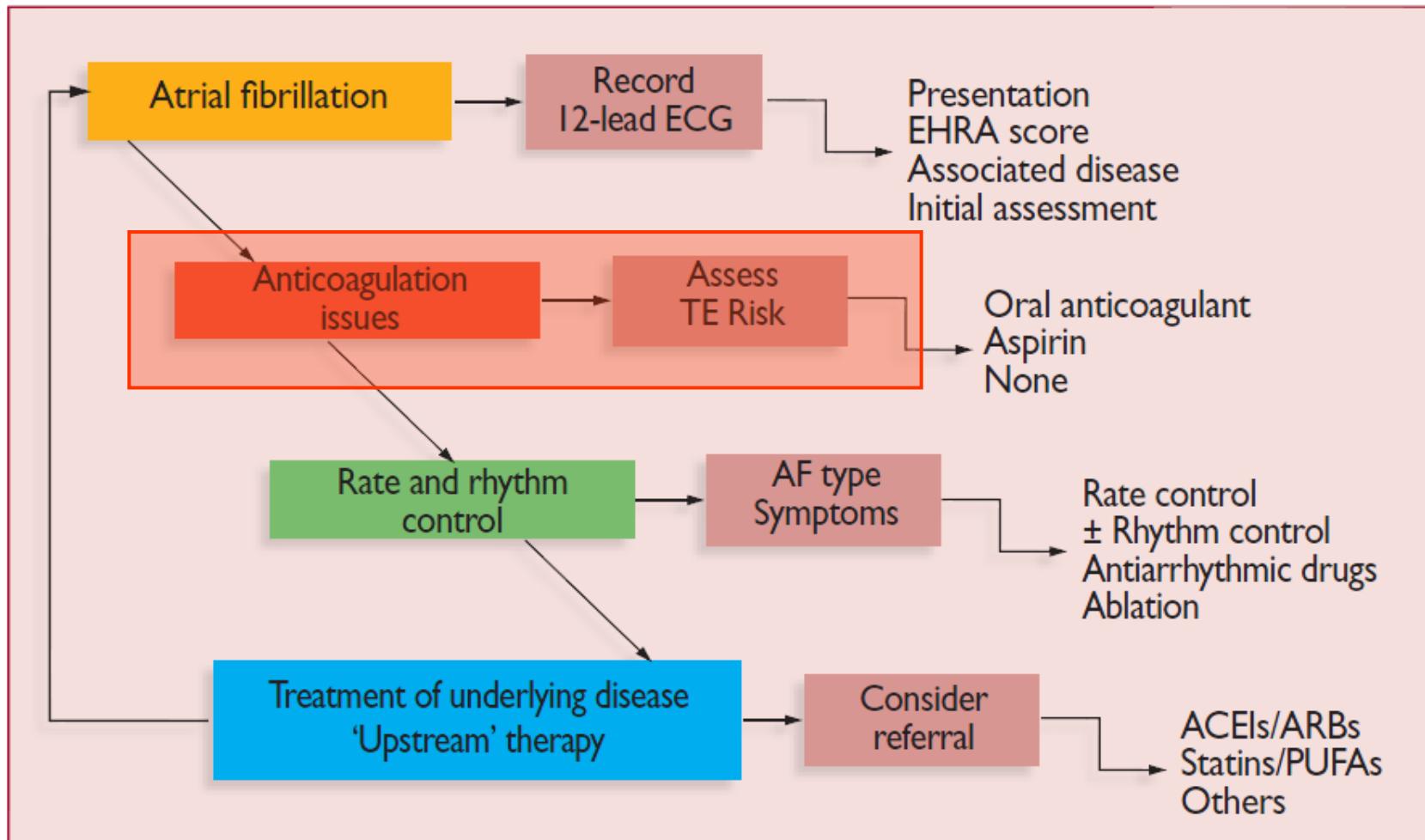
IS NOT

Homogenous



AFIB: The Management Cascade

ESC/EHRA Guidelines 2010



LA STRATIFICAZIONE DEL RISCHIO



LA STRATIFICAZIONE DEL RISCHIO





LA STRATIFICAZIONE DEL RISCHIO

CHADS ₂ score	Patients (n = 1733)	Adjusted stroke rate (%/y)* (95% confidence interval)
0	120	1.9 (1.2 - 3.0)
1	463	2.8 (2.0 - 3.8)
2	523	4.0 (3.1 - 5.1)
3	337	5.9 (4.6 - 7.3)
4	220	8.5 (6.3 - 11.1)
5	65	12.5 (8.2 - 17.5)
6	5	18.2 (10.5 - 27.4)

*The adjusted stroke rate was derived from the multivariable analysis assuming no aspirin usage; these stroke rates are based on data from a cohort of hospitalised AF patients, published in 2001, with low numbers in those with a CHADS₂ score of 5 and 6 to allow an accurate judgement of the risk in these patients. Given that stroke rates are declining overall, actual stroke rates in contemporary non-hospitalised cohorts may also vary from these estimates. Adapted from Gage BF et al.

AF = atrial fibrillation; CHADS₂ = cardiac failure, hypertension, age, diabetes, stroke (doubled).

www.escardio.org/guidelines

European Heart Journal (2010) 31, 2369-2429



CHADS₂ score and stroke rate



LA STRATIFICAZIONE DEL RISCHIO



Major risk factors	Clinically relevant non-major risk factors
Previous stroke	CHF or moderate to severe LV systolic dysfunction [e.g. LV EF ≤ 40%]
TIA or systemic embolism	Hypertension
Age ≥ 75 years	Diabetes mellitus

Diabetes mellitus

Age 65-74 years

Female sex

Vascular disease

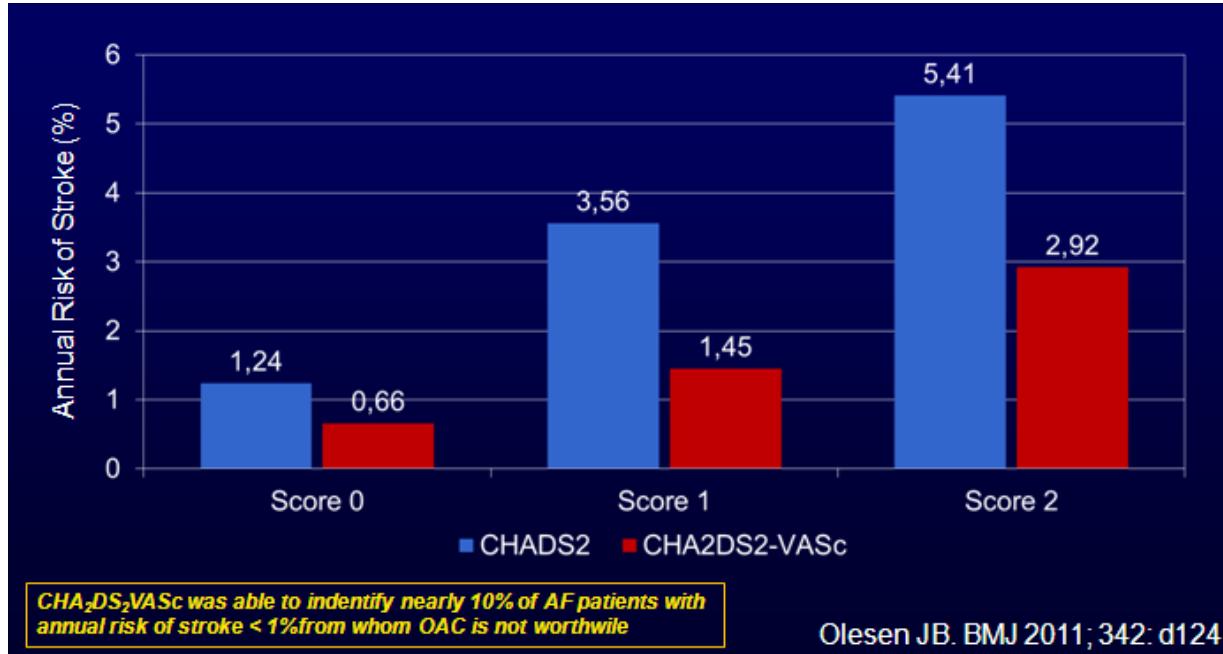
Risk factor	Score
Congestive heart failure/LV dysfunction	1
Hypertension	1
Age ≥ 75 ans	2
Diabetes mellitus	1
Stroke/TIA/thrombo-embolism	2
Vascular disease*	1
Age 65-74	1
Sex category [i.e. femal sex]	1
Maximum score	9

*Prior myocardial infarction, peripheral artery disease, aortic plaque. Actual rates of stroke in contemporary cohorts may vary from these estimates.





LA STRATIFICAZIONE DEL RISCHIO



BMJ

RESEARCH

Validation of risk stratification schemes for predicting stroke and thromboembolism in patients with atrial fibrillation: nationwide cohort study

Jonas Bjerring Olesen, research fellow,¹ Gregory Y H Lip, professor,² Morten Lock Hansen, research fellow,¹ Peter Røs Hansen, research director,¹ Janne Schumann Tolstrup, research director,³ Jesper Lindhardsen, research fellow,⁴ Christian Selmer, research fellow,⁵ Ole Ahlehoff, research fellow,⁶ Anne-Marie Schjerning Olsen, research fellow,⁷ Gunnar Hilmar Gislason, research director,⁸ Christian Torp-Pedersen, professor⁹

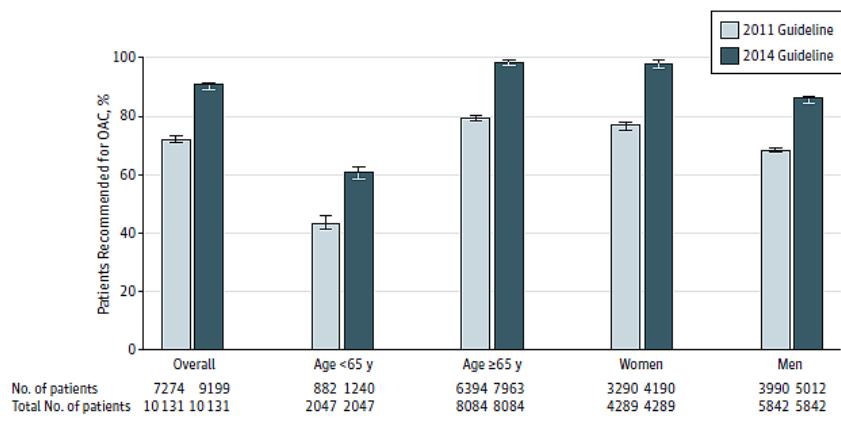
Conclusions The risk associated with a specific risk stratification score depended on the risk factors composing the score. CHA₂DS₂-VASc performed better than CHADS₂ in predicting patients at high risk, and those categorised as low risk by CHA₂DS₂-VASc were truly at low risk for thromboembolism.



LA STRATIFICAZIONE DEL RISCHIO



Figure. Change in the Percentage of Patients Recommended for Oral Anticoagulation (OAC) Under New vs Old Atrial Fibrillation Treatment Guidelines



The figure displays the proportion of patients in the entire Outcomes Registry for Better Informed Treatment of Atrial Fibrillation study population who were recommended for OAC under the 2011 and 2014 guidelines.^{1,2} Error bars indicate 95% CIs of the proportions.

In summary, the implication of using the recently updated guideline is to encourage oral anticoagulation for more patients at intermediate to low risk of stroke. Lacking evidence that this approach leads to overall improved outcomes for patients, we must be aware that the likely consequence is increased bleeding risk and uncertain benefit.

Letters

RESEARCH LETTER

Effect of the 2014 Atrial Fibrillation Guideline Revisions on the Proportion of Patients Recommended for Oral Anticoagulation

In 2014, the American Heart Association, American College of Cardiology, and Heart Rhythm Society published a revised guideline for atrial fibrillation (AF) treatment recommending

use of a refined stroke risk

score and revised threshold

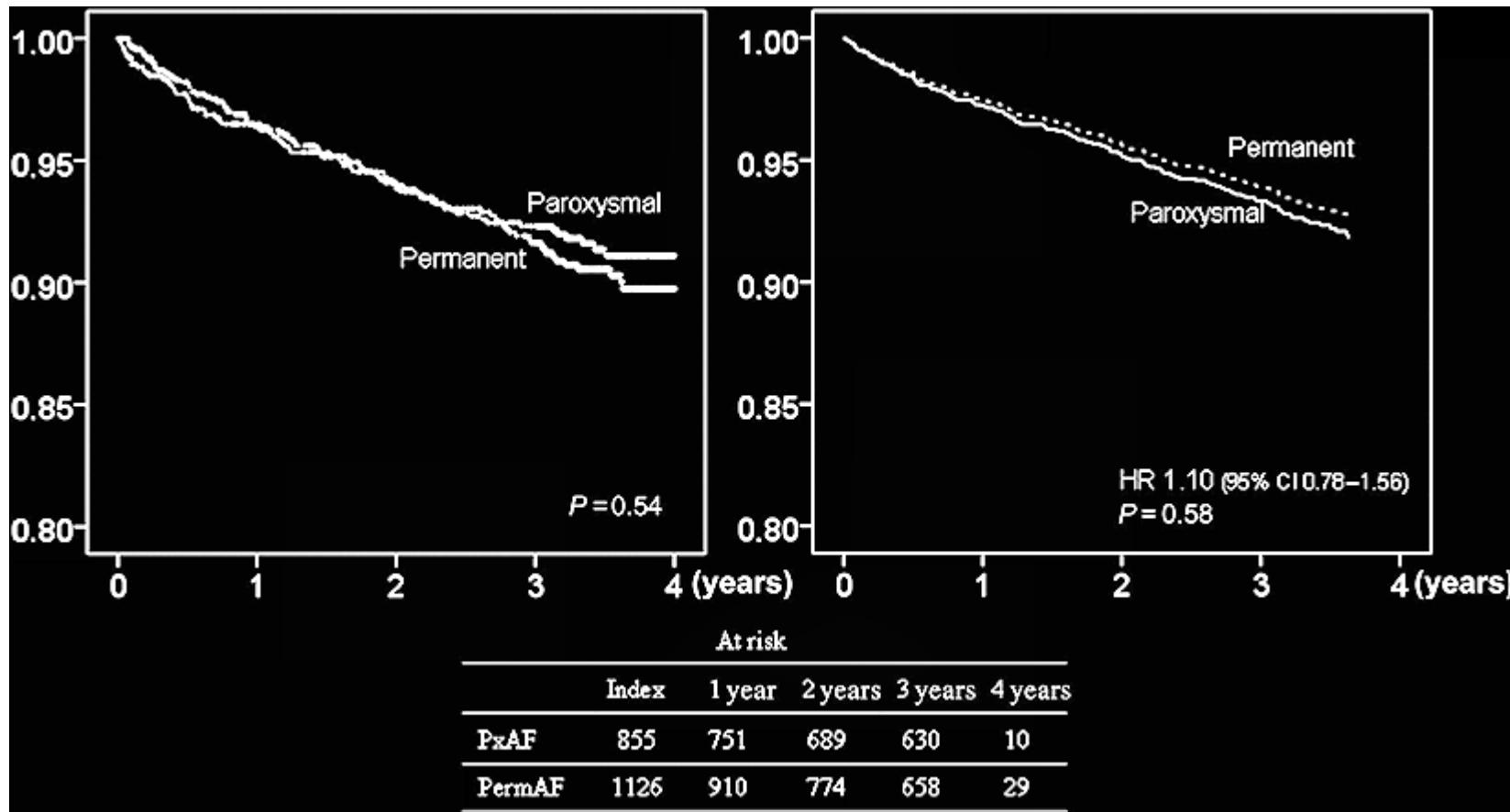
for oral anticoagulation (OAC)

initiation.¹ We assessed the

potential effect of this new guideline by comparing the proportion of patients with AF recommended for OAC under the 2011 and 2014 guidelines.^{1,2}



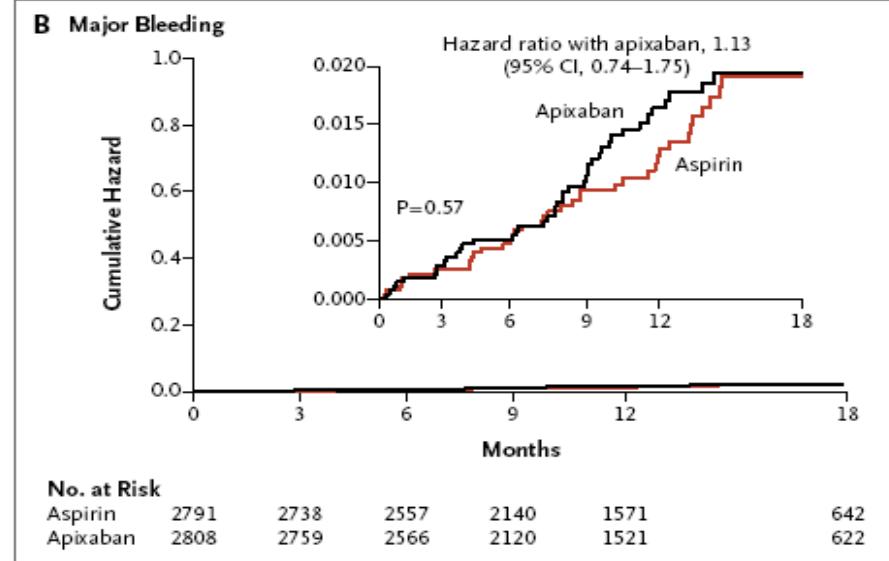
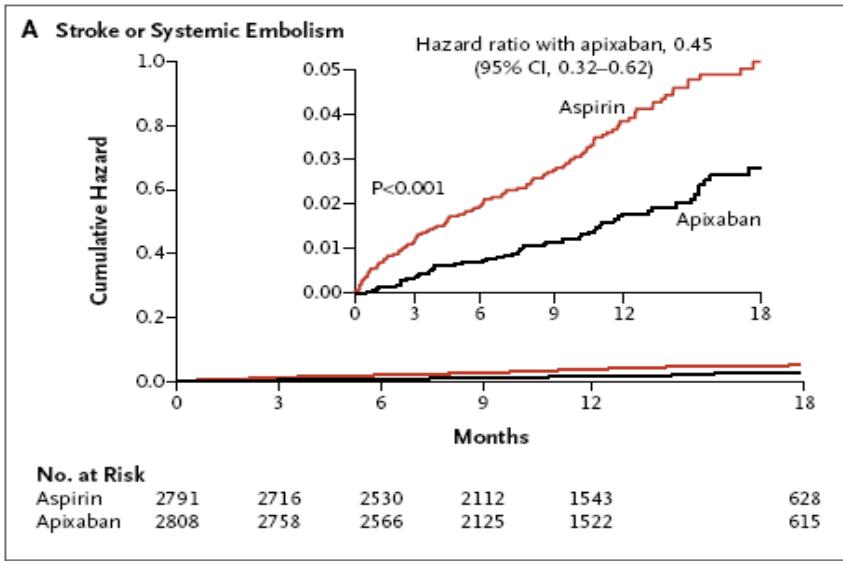
TIPI DI FA E RISCHIO EMBOLICO



Survival free from ischaemic stroke in paroxysmal atrial fibrillation (AF) and permanent AF.
Unadjusted incidence to the left, multivariably adjusted to the right



QUALE TRATTAMENTO ANTITROMBOTICO ?



The NEW ENGLAND JOURNAL of MEDICINE

ORIGINAL ARTICLE

Apixaban in Patients with Atrial Fibrillation

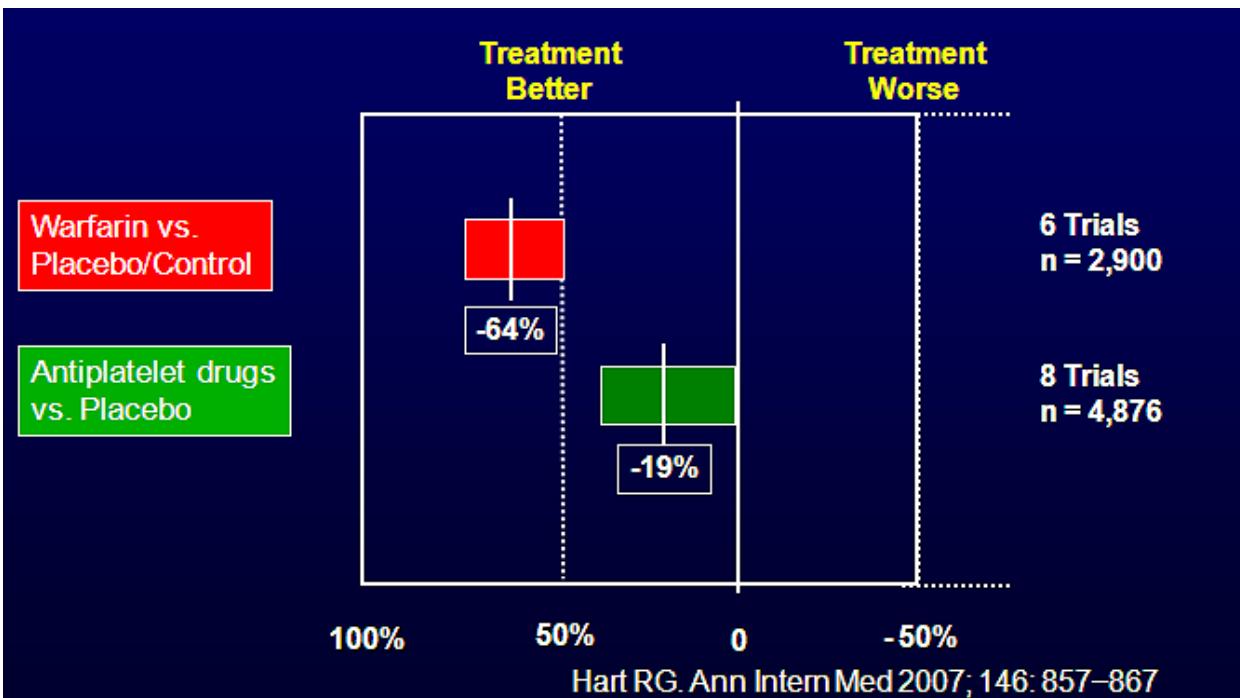
Stuart J. Connolly, M.D., John Eikelboom, M.B., B.S., Campbell Joyner, M.D., Hans-Christoph Diener, M.D., Ph.D., Robert Hart, M.D., Sergey Golitsyn, M.D., Ph.D., Greg Flaker, M.D., Alvaro Avezum, M.D., Ph.D., Stefan H. Hohnloser, M.D., Rafael Diaz, M.D., Mario Talajic, M.D., Jun Zhu, M.D., Prem Pais, M.B., B.S., M.D., Andrzej Budaj, M.D., Ph.D., Alexander Parkhomenko, M.D., Ph.D., Petr Jansky, M.D., Patrick Commerford, M.B., Ch.B., Ru San Tan, M.B., B.S., Kui-Hian Sim, M.B., B.S., Basil S. Lewis, M.D., Walter Van Mieghem, M.D., Gregory Y.H. Lip, M.D., Jae Hyung Kim, M.D., Ph.D., Fernando Lanas-Zanetti, M.D., Antonio L. Dans, M.D., Antonio Gonzalez-Hermosillo, M.D., Muhammad Munawar, M.D., Ph.D., Martin O'Donnell, M.B., Ph.D., John Lawrence, M.D., Gayle Lewis, Rizwan Afzal, M.Sc., and Salim Yusuf, M.B., B.S., D.Phil., for the AVERROES Steering Committee and Investigators*

ASA



QUALE TRATTAMENTO ANTITROMBOTICO ?

Conclusions: Adjusted-dose warfarin and antiplatelet agents reduce stroke by approximately 60% and by approximately 20%, respectively, in patients who have atrial fibrillation. Warfarin is substantially more efficacious (by approximately 40%) than antiplatelet therapy. Absolute increases in major extracranial hemorrhage associated with antithrombotic therapy in participants from the trials included in this meta-analysis were less than the absolute reductions in stroke. Judicious use of antithrombotic therapy importantly reduces stroke for most patients who have atrial fibrillation

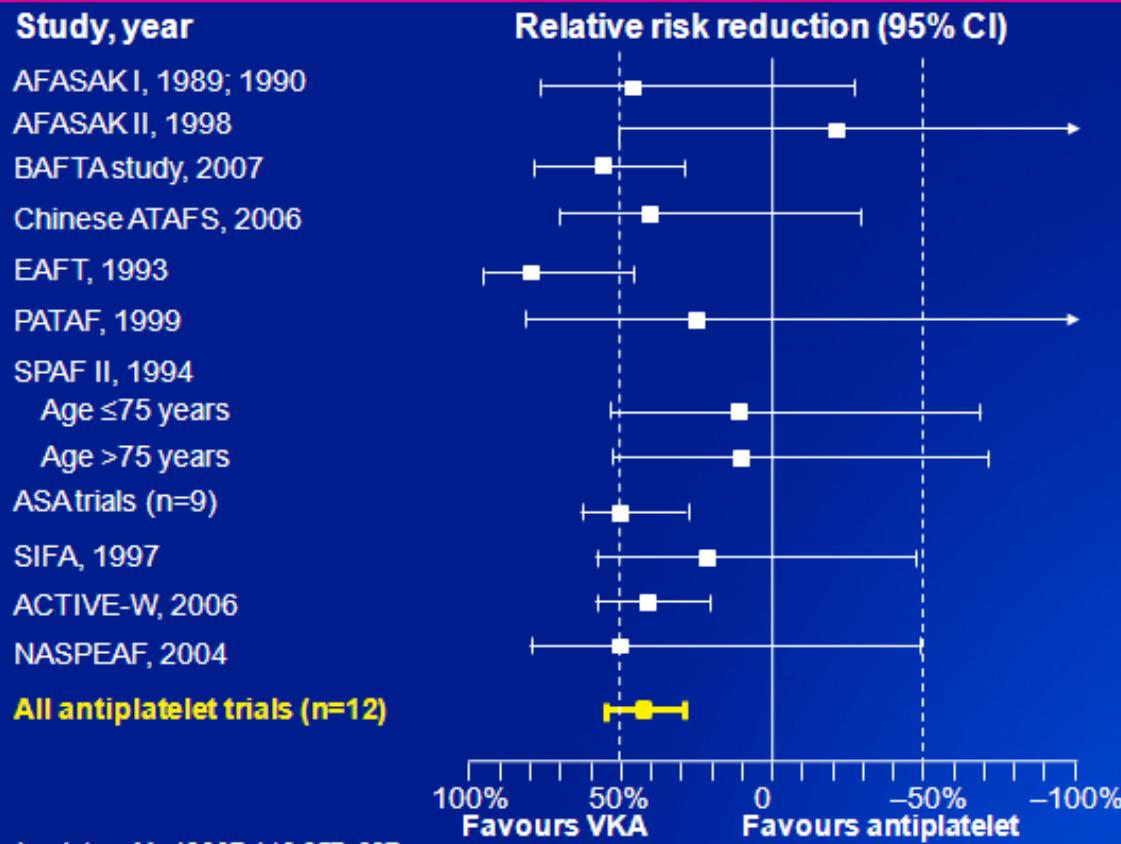


Annals of Internal Medicine
ESTABLISHED IN 1927 BY THE AMERICAN COLLEGE OF PHYSICIANS



WARFARIN: EFFETTI

Stroke prevention in AF: VKAs vs antiplatelet therapy – Reduction of risk of thromboembolism in AF



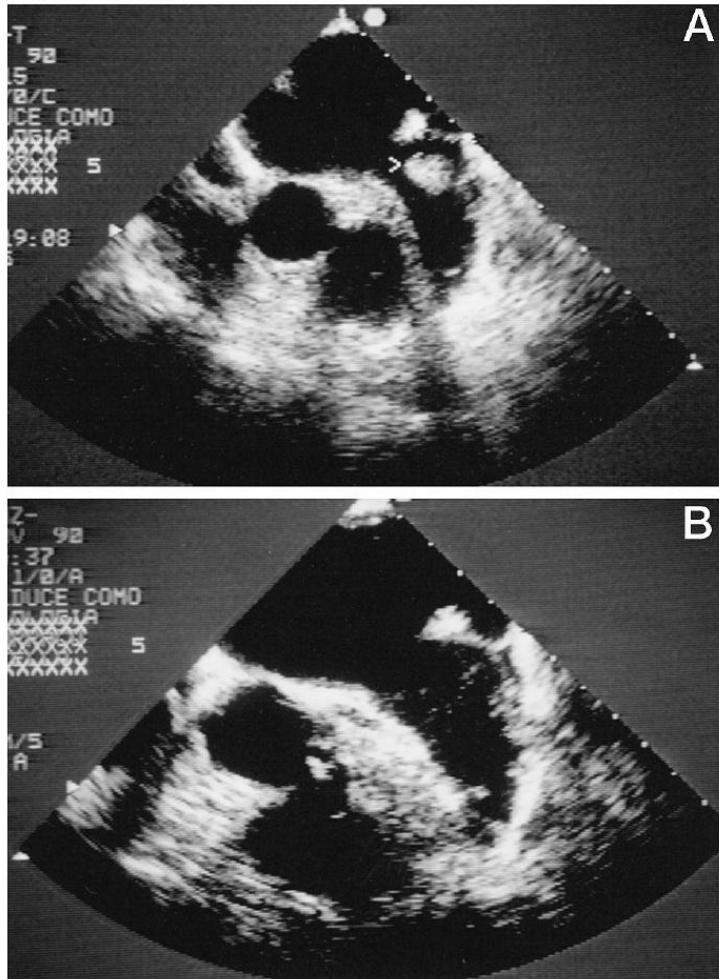


FIGURE 1. TEEs (horizontal plane) of the left atrium and left atrial appendage (patient No. 4 of the table). Panel A shows the left atrium and appendage in a 60-year-old woman affected by mitral stenosis and aortic regurgitation. The duration of atrial fibrillation was unknown. Note the pedunculated thrombus (white arrow) at the mouth of left atrial appendage. Panel B shows the same patient after 4 weeks of warfarin. The thrombus had completely resolved. Scant spontaneous echocontrast can be seen in left atrial appendage.

PERCHE' LA TAO FUNZIONA NELLA FA

Atrial Thrombi Resolution After Prolonged Anticoagulation in Patients With Atrial Fibrillation*

A Transesophageal Echocardiographic Study

Giovanni Corrado, MD; Giorgio Tadeo, MD; Sandro Beretta, MD;
Luca Mario Tagliagambe, MD; Giovanni Foglia Manzillo, MD;
Manuela Spata, MD; and Mauro Santarone, MD

Background: Cardioversion of atrial fibrillation in nonanticoagulated patients may be associated with clinical thromboembolism. Prolonged anticoagulation with warfarin before cardioversion of atrial fibrillation produces a marked reduction of cardioversion-related thromboembolism. The benefit of anticoagulant therapy is generally believed to be due to atrial thrombi organization. **Patients and methods:** Transesophageal echocardiography (TEE) is highly accurate for diagnosis of atrial thrombi and gives the possibility to serially evaluate the effects of anticoagulant therapy. One hundred twenty-three patients with atrial fibrillation lasting longer than 2 days underwent TEE before cardioversion. An atrial thrombus was identified in 11 patients (9%), and was always confined to the left atrial appendage. TEE was repeated after a median of 4 weeks of oral warfarin. Atrial thrombus had completely resolved in 9 of 11 patients (81.8%; 95% CI, 48.2 to 97.7%); in two patients, clot was still present. No patient had clinical thromboembolism between the two TEE studies.

Conclusions: In the population of our study, a prolonged course of warfarin therapy was associated with resolution of atrial thrombi in the majority of patients. According to these data, the mechanism of thromboembolism reduction with 4 weeks of anticoagulation before cardioversion in patients with atrial fibrillation seems to be related mainly to thrombus lysis rather than organization. Due to the possibility of thrombus persistence even after prolonged anticoagulation, follow-up with TEE before cardioversion is necessary to document thrombus resolution.

(CHEST 1999; 115:140-143)

Key words: anticoagulation; echocardiography; fibrillation

Abbreviations: AF = atrial fibrillation; TEE = transesophageal echocardiography; TTE = transthoracic echocardiography



WARFARIN: LIMITI

The limitations of VKA therapy

- Significant inter- and intra-patient variability in dose-response,¹ due to:
 - Co-morbid conditions
 - Genetic polymorphisms
 - Numerous interactions with food and concomitant drugs
 - Unpredictable pharmacology
- Narrow therapeutic window¹
 - Regular coagulation monitoring and dose adjustments required
 - Failure to stay within the therapeutic range increases the risk of stroke or adverse bleeding events²
- Underuse^{2–4}
 - Fear of haemorrhage; intracranial haemorrhage is the most devastating bleeding event⁵
 - Particularly in elderly patients because of high perceived risk of bleeding versus possible benefits⁵

1. Ansell J et al. *Chest* 2008;133:160S–198S; 2. Nieuwlaat R et al. *Am Heart J* 2007;153:1006–1012;

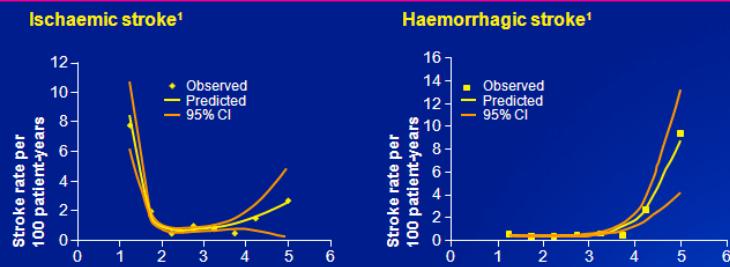
3. Ogilvie IM et al. *Am J Med* 2010;123:638–645; 4. Nieuwlaat R et al. *Eur Heart J* 2005;26:2422–2434;

5. Waldo A et al. *J Am Coll Cardiol* 2005;46:1729–1736



WARFARIN: LIMITI

VKAs have a narrow therapeutic window



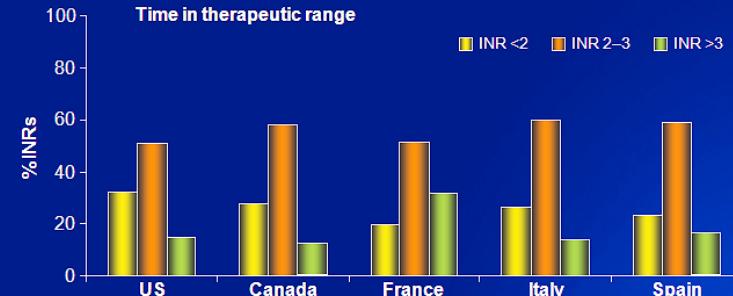
- INR below 2 is associated with an increased risk of ischaemia
 - INR above 3 is associated with an increased risk of haemorrhagic stroke

VKA-related haemorrhage is the leading cause of iatrogenic hospitalization, accounting for 13% of hospitalizations due to drug-related adverse events²

1. Amouyel P et al. Eur J Intern Med 2009;20:63–69. 2. Pouyanne P et al. BMJ 2000;320:1036.

INR control in routine practice is suboptimal (2)

Retrospective, multicentre cohort study (ISAM)



Ansell J et al. *J Thromb Thrombolysis* 2007;23:83–91

VKAs have many drug–drug interactions

Increased INR response

Decreased INR response

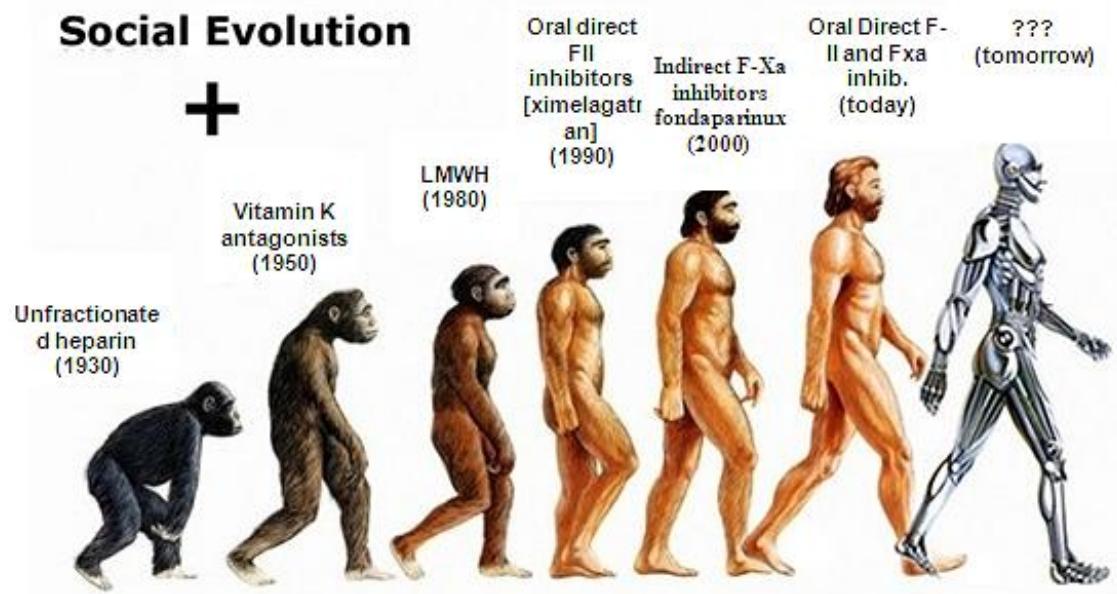
Special Drugs Reported		
alcohol*	coumadin underdose	phenytoin?
aminoquinolines	cyclophosphamide?	praseostatin?
aspirin†	ethacrylic acid	prinestrol?
atovaquinstat	griseofulvin	pregabalin?
aztreonam	halothane	ratiophen?
butabutanol	metformin	ramipril?
carbamazepine	meprobamate	ritamex?
chloramphenicol	mercaptoacetic acid	rofecoxib?
chlorhexidine	metoclopramide	serelabulin?
chlorpromazine	methicoline hydrochloride?	sucrosefate?
chlorothiazide	metoclopramide	triamterene?
clotrimazole	paracetamol	triazoxone?
cluspaine	pentamidine	vitamin C (high dose)
codeine	para-aminosalicylic acid	vitamin K
coritonsine	phenacetin	

else: diet high in vitamin K

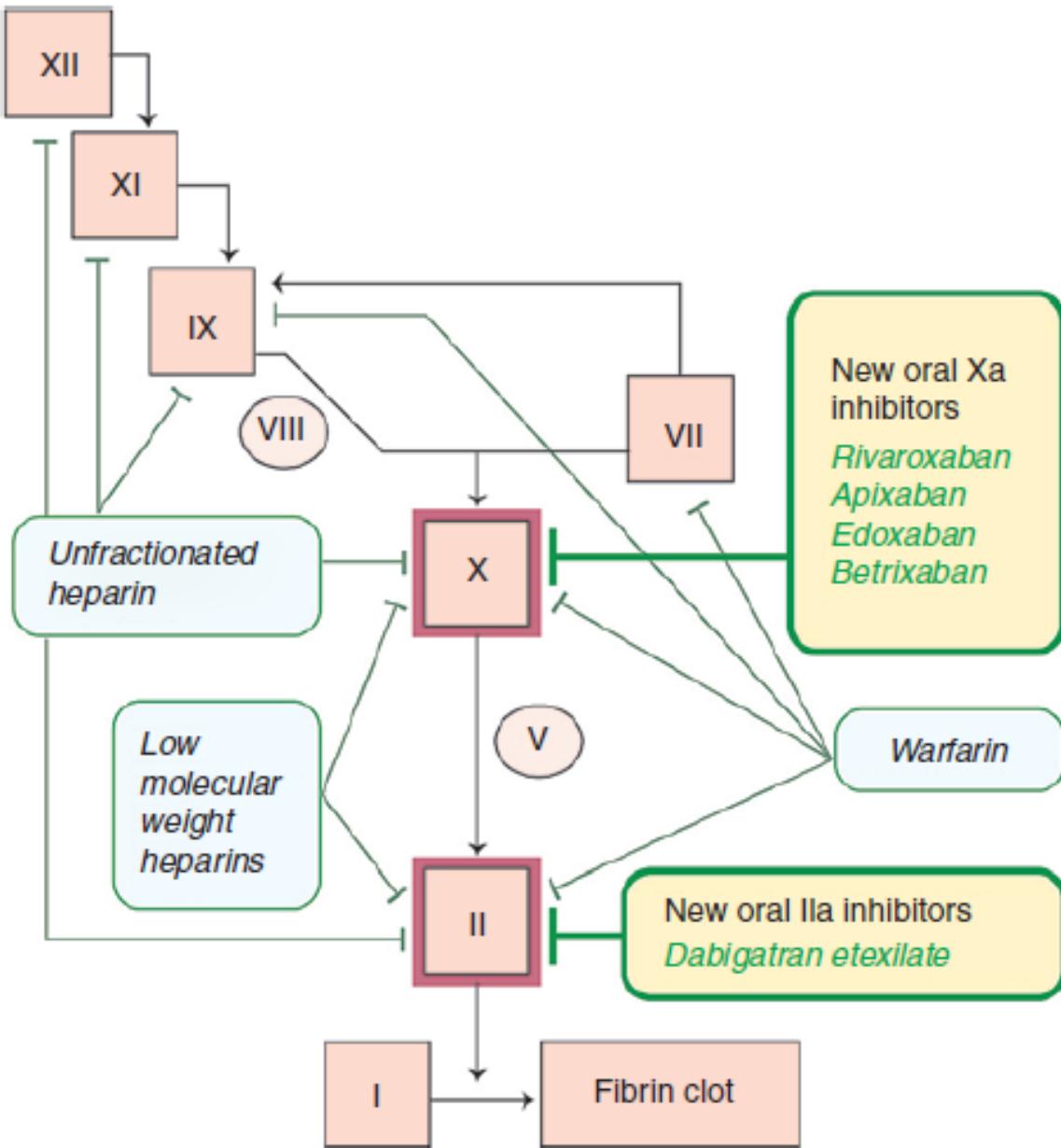


L'ANTICOAGULANTE IDEALE

- High efficacy to safety index
- Predictable dose-response (no lab monitoring)
- Oral administration
- Rapid onset and offset of action
- Availability of a safe antidote
- No non-anticoagulant side effects
- Minimal interaction with food and other drugs



I BERSAGLI



Mantha, S., Cabral, K. and Ansell, J. (2013), New Avenues for Anticoagulation in Atrial Fibrillation. *Clinical Pharmacology & Therapeutics*, 93: 68–77.
doi: 10.1038/clpt.2012.197



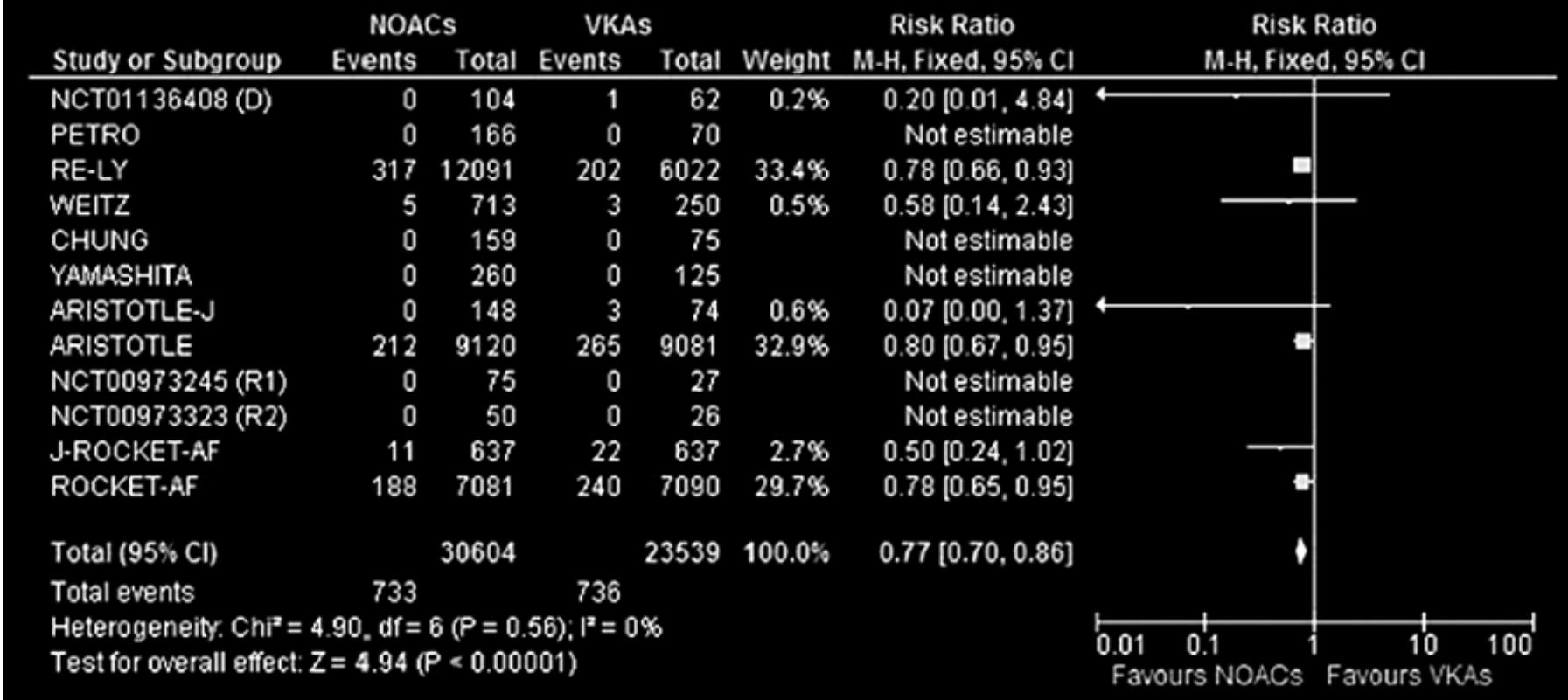
NOACs

	Dabigatran (RE-LY) ^{70, 71}	Rivaroxaban (ROCKET-AF) ³	Apixaban (ARISTOTLE) ⁴
Drug characteristics			
Mechanism	Oral direct thrombin inhibitor	Oral direct factor Xa inhibitor	Oral direct factor Xa inhibitor
Bioavailability, %	6	60–80	50
Time to peak levels, h	3	3	3
Half-life, h	12–17	5–13	9–14
Excretion	80% renal	2/3 liver, 1/3 renal	25% renal, 75% faecal
Dose	150 mg b.i.d.	20 mg o.d.	5 mg b.i.d.
Dose in renal impairment	110 mg b.i.d.	15 mg o.d. (if CrCl 30–49 mL/min)	2.5 mg b.i.d.
Special considerations	Intestinal absorption is pH-dependent and is reduced in patients taking proton pump inhibitors	Higher levels expected in patients with renal or hepatic failure	
	Increased risk of bleeding in patients taking verapamil/amiodarone/quinidine/ketoconazole	Activity lower in fasted patients so should be taken after food	
Study characteristics			
Study design	Randomized, open-label	Randomized, double-blind	Randomized, double-blind
Number of patients	18 111	14 264	18 201
Follow-up period, years	2	1.9	1.8
Randomized groups	Dose-adjusted warfarin vs. blinded doses of dabigatran (150 mg b.i.d., 110 mg b.i.d.)	Dose-adjusted warfarin vs. rivaroxaban 20 mg o.d.	Dose-adjusted warfarin vs. apixaban 5 mg b.i.d.



AF: NOACs vs Warfarin

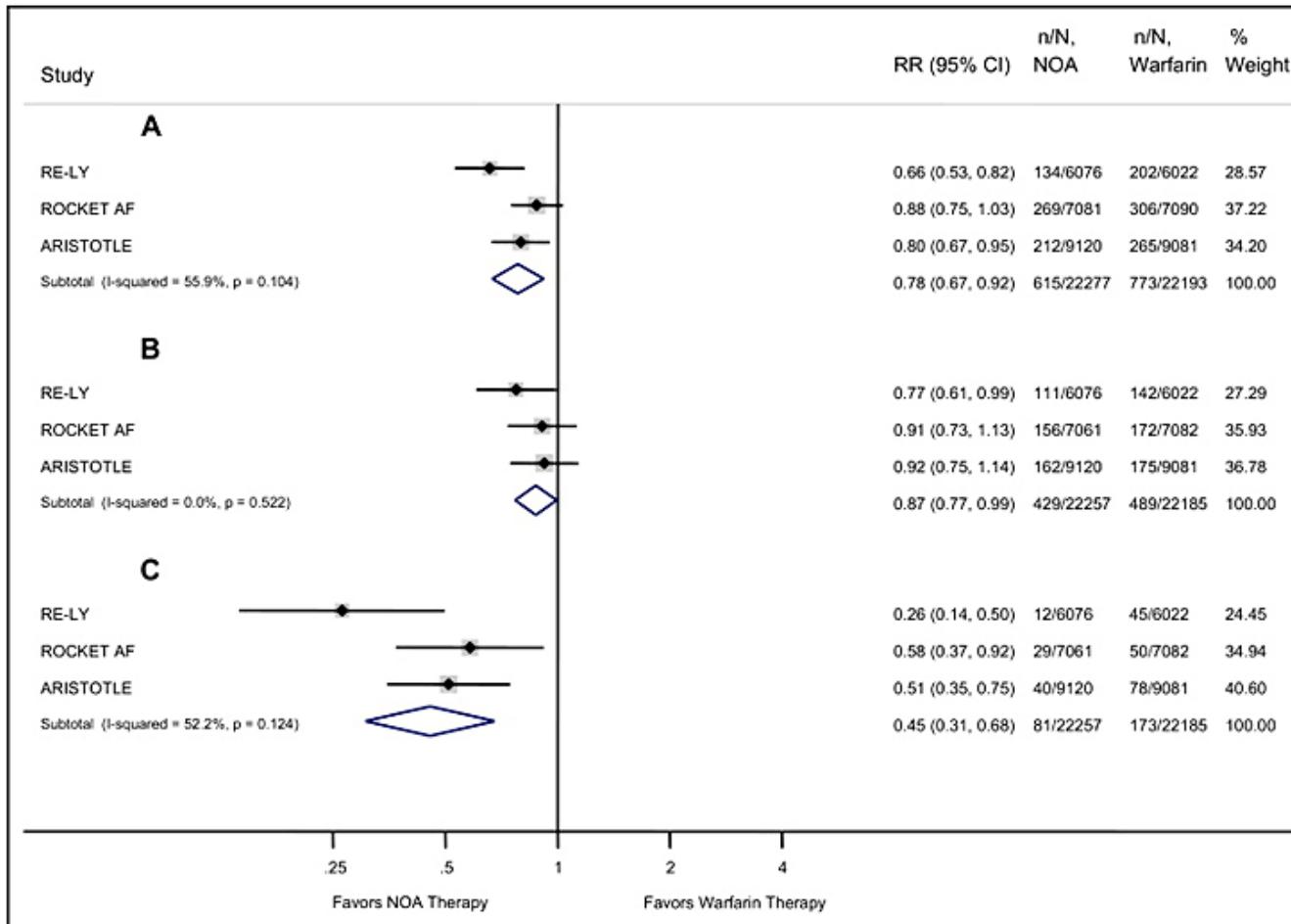
Stroke or Systemic Embolism



Dentali f et al. Efficacy and safety of the novel oral anticoagulants in atrial fibrillation: a systematic review and meta-analysis of the literature. *Circulation* 2012;126(20):2381-91



AF: NOACs vs Warfarin

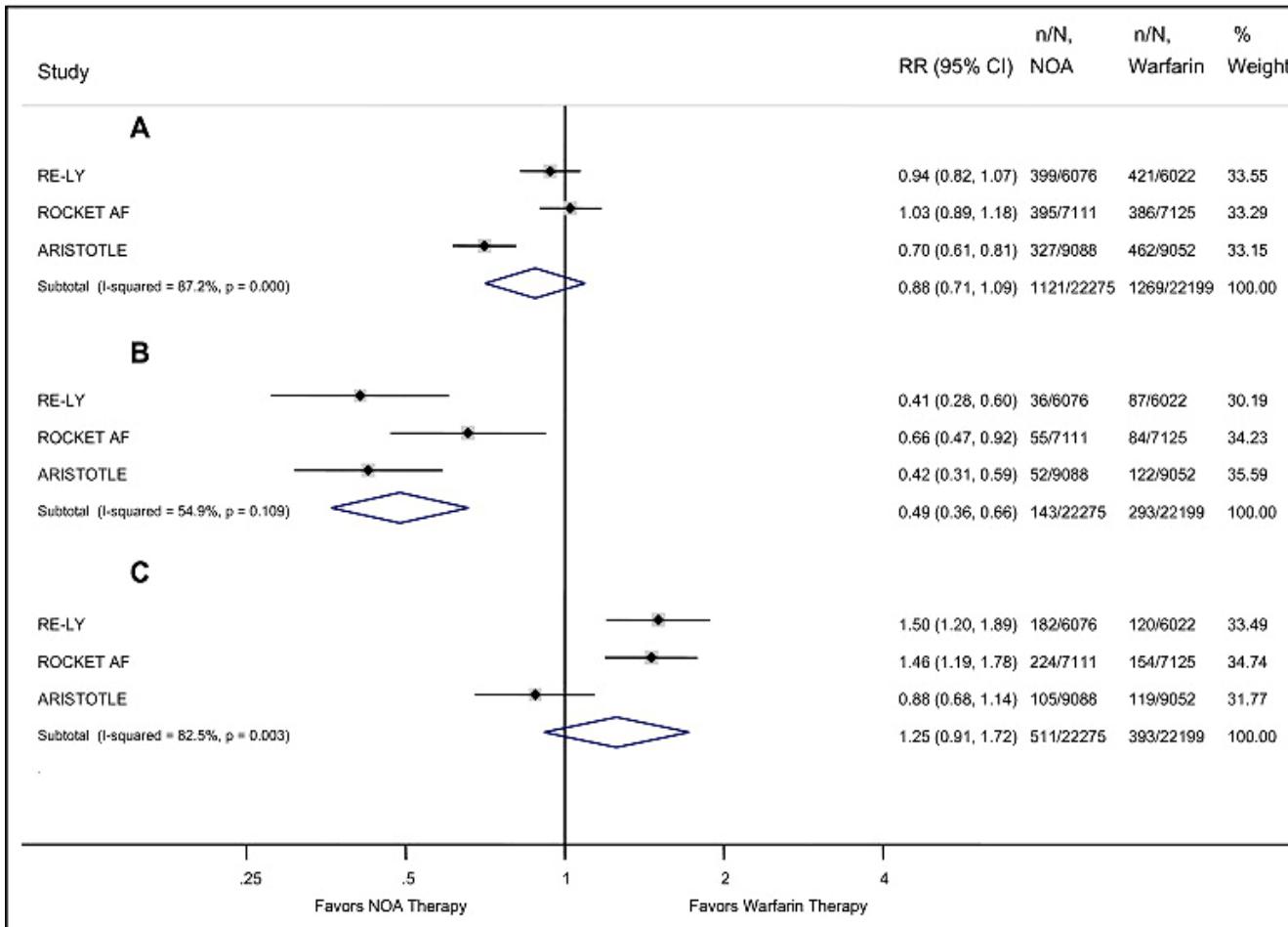


Forest plot for (A) all-cause stroke and systemic embolism, (B) ischemic and unspecified stroke, and (C) hemorrhagic stroke, new oral anticoagulants (NOA) versus warfarin in patients with AF.

Corey S et al. meta-analysis of efficacy and safety of new oral anticoagulants (dabigatran , rivaroxaban , apixaban) versus warfarin in patients with atrial fibrillation .Am J Cardiol 2012;110:453-460



AF: NOACs vs Warfarin



Forest plot for (A) major bleeding, (B) intracranial bleeding, and (C) gastrointestinal bleeding, new oral anticoagulants (NOA) versus warfarin in patients with AF.

Corey S et al. meta-analysis of efficacy and safety of new oral anticoagulants (dabigatran , rivaroxaban , apixaban) versus warfarin in patients with atrial fibrillation .Am J Cardiol 2012;110:453-460



COSTO-EFFICACIA

Amanda R. et al. Cost-effectiveness of apixaban, dabigatran, rivaroxaban, and warfarin for stroke prevention in atrial fibrillation. *Stroke* 2013;44:1676-1681

Table. Projected Costs, QALYs, and ICERs for Patients With Nonvalvular Atrial Fibrillation Receiving Anticoagulation Therapy

	Base Case			Probabilistic Sensitivity Analysis		
	Total Cost	QALY	ICER	Total Cost (SD)	QALY (SD)	ICER
Warfarin	\$77 813	7.97	...*	\$77 772 (\$2223)	7.97 (0.04)	...*
Rivaroxaban, 20 mg	\$78 738	8.26	\$3190/QALY	\$78 719 (\$1852)	8.26 (0.06)	\$3266/QALY
Dabigatran, 150 mg	\$82 719	8.41	\$11 150/QALY	\$82 705 (\$1959)	8.41 (0.07)	\$11 211/QALY
Apixaban, 5 mg	\$85 326	8.47	\$15 026/QALY	\$85 337 (\$1512)	8.47 (0.06)	\$15 130/QALY

ICER indicates incremental cost-effectiveness ratio; QALY, quality-adjusted life-year; and SD, standard deviation.

*Warfarin is the reference therapy for the ICER calculation.

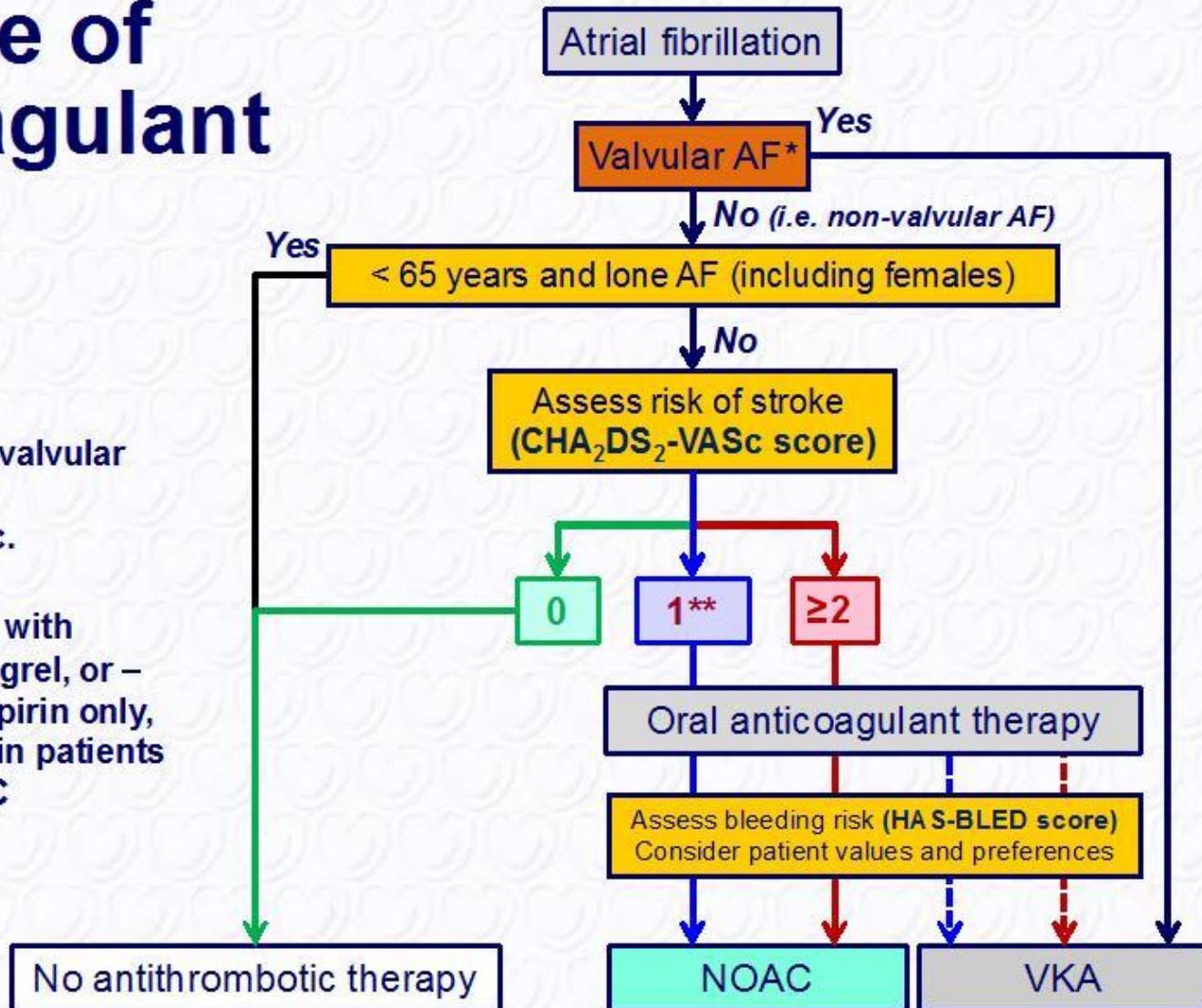
Conclusions—In patients with nonvalvular atrial fibrillation and an increased risk of stroke prophylaxis, apixaban 5 mg, dabigatran 150 mg, and rivaroxaban 20 mg were all cost-effective alternatives to warfarin



Choice of Anti-coagulant

- Includes rheumatic valvular AF, hypertrophic cardiomyopathy, etc.

** Antiplatelet therapy with aspirin plus clopidogrel, or – less effectively – aspirin only, may be considered in patients who refuse any OAC



Anticoagulation - NOACs

Recommendations for prevention of thromboembolism in non-valvular AF - NOACs

Recommendations	Class	Level
<p>When adjusted-dose VKA (INR 2–3) cannot be used in a patient with AF where an OAC is recommended, due to difficulties in keeping within therapeutic anticoagulation, experiencing side effects of VKAs, or inability to attend or undertake INR monitoring, one of the NOACs, either:</p> <ul style="list-style-type: none">• a direct thrombin inhibitor (dabigatran); or• an oral factor Xa inhibitor (e.g., rivaroxaban, apixaban)^d <p>... is recommended.</p>	I	B
<p>Where OAC is recommended, one of the NOACs, either:</p> <ul style="list-style-type: none">• a direct thrombin inhibitor (dabigatran); or• an oral factor Xa inhibitor (e.g., rivaroxaban, apixaban)^d <p>... should be considered rather than adjusted-dose VKA (INR 2–3) for most patients with non-valvular AF, based on their net clinical benefit.</p>	IIa	A

^dApixaban (pending approval EMA and FDA approval): prescribing information is awaited.

Recommendations	Class	Level
<p>Where dabigatran is prescribed, a dose of 150 mg b.i.d. should be considered for most patients in preference to 110 mg b.i.d., with the latter dose recommended in:</p> <ul style="list-style-type: none"> • elderly patients, age ≥ 80 • concomitant use of interacting drugs (e.g. verapamil) • high bleeding risk (HAS-BLED score ≥ 3) • moderate renal impairment (CrCl 30–49 mL/min). 	IIa	B
<p>Where rivaroxaban is being considered, a dose of 20 mg o.d. should be considered for most patients in preference to 15 mg o.d., with the latter dose recommended in:</p> <ul style="list-style-type: none"> • high bleeding risk (HAS-BLED score ≥ 3) • moderate renal impairment (CrCl 30–49 mL/min). 	IIa	C
<p>Baseline and subsequent regular assessment of renal function (by CrCl) is recommended in patients following initiation of any NOAC, which should be done annually but more frequently in those with moderate renal impairment where CrCl should be assessed 2–3 times per year.</p>	IIa	B
<p>NOACs (dabigatran, rivaroxaban, and apixaban) are not recommended in patients with severe renal impairment (CrCl < 30 mL/min).</p>	III	A

Quando mantenere anti Vit-K?

- **Buon livello dei controlli (TTR)**
- **Insuff. renale severa**
- **Protesi valvolari meccaniche (Eichelboom JW et al, *N Eng J Med*, 2013)**
- **Pregresso sanguinamento GI**
- **Scarsa aderenza ai DOA**
- **Costi**

La noia della compilazione del piano terapeutico AIFA
non è contemplata nelle linee guida



Quando preferire i NOACs?

- TTR basso
- Interazioni tra farmaci
- Storia di sanguinamento intracranico
- Problemi logistici
- Nuovi pazienti

Perchè preferire i NOACs?

- Rapida insorgenza d'azione
- Effetto dose risposta prevedibile
- Emivita relativamente breve



CAVEATS NOACs

- **Emivita relativamente breve : se scarsa aderenza , aumento di rischio di ictus o embolia sistemica**
- **Non necessità di monitoraggio : può favorire una scarsa aderenza alla terapia?**
- **Test di coagulazione ?**
- **Antidoti?**
- **Associabilità ad antiaggreganti?**



ITER DELLA FA

- Diagnosticare la fibrillazione atriale
- Stratificare il rischio tromboembolico
- Applicare le linee guida al mondo reale



≠



PRESCRIZIONE NOACS: UN PERCORSO A OSTACOLI



Registri Farmaci sottoposti a Monitoraggio

ATTENZIONE

**Le immagini che seguono
potrebbero urtare
la vostra sensibilità**

Per visualizzare la lista aggiornata dei Registri pubblicati nella nuova piattaforma si prega di consultare le pagine dedicate ai [Registri Farmaci sottoposti a Monitoraggio](#) nel portale istituzionale dell'AIFA



SUL WEB ESISTONO PROGRAMMI MIGLIORI...

Inserire i criteri di eleggibilità CHA2DS2- VASc SCORE e HAS - BLED SCORE

Inserimento Paziente con i dati anagrafici



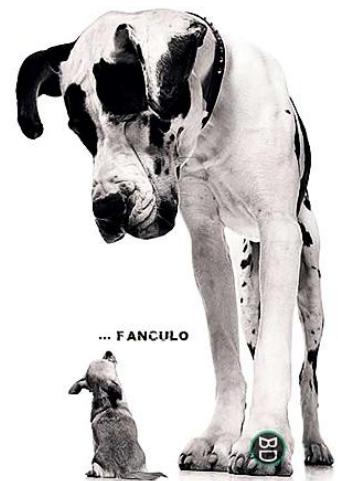
Nuova prescrizione



IL MONDO REALE

Fascia età	Anno 2011			Anno 2012			Anno 2013			Anno 2014 (Gen - Ottobre)		
	Femmine	Maschi	Totale	Femmine	Maschi	Totale	Femmine	Maschi	Totale	Femmine	Maschi	Totale
0 - 54 anni	3	3	6	1	7	8	5	4	9	4	12	16
55 - 64 anni	3	4	7	8	7	15	19	24	43	24	28	52
65 - 74 anni	7	5	12	14	5	19	33	47	80	33	64	97
75 - 84 anni	3	1	4	6	4	10	59	54	113	88	74	162
85 - ed oltre	0	0	0	2	1	3	25	13	38	31	19	50
TOTALE	16	13	29	31	24	55	141	142	283	180	197	377

pz in anti Vit K 10.079



PRESCRIZIONE NOACs IN PROVINCIA DI COMO



THE REAL WORLD

CLINICAL SIGNIFICANCE

- The EURObservational Research Programme on Atrial Fibrillation (EORP-AF) Pilot Survey provides contemporary data on oral anticoagulation prescribing by European cardiologists.
- When oral anticoagulation was used, vitamin K antagonists were prescribed in the majority of patients (72.2%). Novel oral anticoagulants were used in the minority (7.7%) of patients. In addition, 80.5% of patients with a Congestive heart failure, Hypertension, Age ≥ 75 [Doubled], Diabetes, Stroke [Doubled]-Vascular disease, Age 65-74, and Sex category [female] ($\text{CHA}_2\text{DS}_2\text{-VASc}$) score ≥ 1 received oral anticoagulation.
- Antiplatelet therapy is still over-prescribed, with or without oral anticoagulation, whereas elderly patients are commonly undertreated with oral anticoagulation.

CLINICAL RESEARCH STUDY

THE AMERICAN
JOURNAL OF
MEDICINE®

'Real-World' Antithrombotic Treatment in Atrial Fibrillation: The EORP-AF Pilot Survey



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ESISTE UN VANTAGGIO REALE SCEGLIENDO UN NAO PIUTTOSTO CHE IL DICUMEROLICO NELLA GESTIONE DEI PAZIENTI CON FIBRILLAZIONE ATRIALE?

**Come decidere tra una terapia consolidata con il disagio del controllo dell'INR
ed una terapia nuova con il disagio del carico burogratico che comporta**



Milano 9-10 aprile 2015

Giovanni Corrado, FESC

GRAZIE PER LA VOSTRA ATTENZIONE

