は生まれないことが数理的に証明でき、正しい解析が可能である(UMIN e-learning 解説より)

I -1-8

原文

- 8. 以下の臨床研究のそれぞれについて、研究方法論を正しく分類しているものはどれか
 - □ 199*年1月1日以降に診断されたステージIVの胃癌患者全員について、現時点までの治療と予後をカルテから集め、診断時の背景因子と予後の間の関連を調べた ⇒コホート研究
 - □ ある新薬を患者に投与したところ、これまで報告されていない副作用が 3 例見られたので、学会に報告し、その後、論文にまとめた ⇒臨床試験
 - □ 外来糖尿病患者の中で、睡眠時無呼吸の患者をケース、そうでない患者をコントロールとして体型を比較した ⇒ケース・コントロール研究

改定後

- 8. 臨床研究について、研究方法論を正しく分類しているものはどれか。1つ選べ。
 - 199*年1月1日以降に診断されたステージIVの胃癌患者全員について、現時点までの治療と予後をカルテから集め、診断時の背景因子と予後の間の関連を調べた ⇒コホート研究
 - □ ある新薬を患者に投与したところ、これまで報告されていない副作用が 3 例見られたので、学会に報告し、その後、論文にまとめた ⇒ 臨床試験
 - □ 外来糖尿病患者の中で、睡眠時無呼吸の患者をケース、そうでない患者をコントロールとして体型を比較した ⇒ケース・コントロール研究

解説

- ・ある新薬を患者に投与したところ、これまで報告されていない副作用が3例見られた ので、学会に報告し、その後、論文にまとめた ⇒臨床試験
 - →臨床試験とは、臨床研究のうちヒト(患者)に対して行われ、かつある特定の医学的条件に合致する将来の患者に対して最適な治療法を明らかにすべく企画された計画的なものである。安全性・有効性などを確認するためデータの収集を目的とする
- ・外来糖尿病患者の中で、睡眠時無呼吸の患者をケース、そうでない患者をコントロールとして体型を比較した ⇒ケース・コントロール研究
 - →ケース・コントロール研究とは、疾病の原因と考えられる要因を、過去にさかのぼ

って調査し、両者で比較する後ろ向きの研究である

I-2 臨床研究とは

I -2-7

原ス	文
7.	医薬品の臨床試験の実施の基準である GCP が求めている大きな基本原則は、2つ
	ある。それは、次のうちどれか。
	□ 「倫理的妥当性」と「科学的モラル」
	□ 「倫理指針」と「科学的モラル」
	□ 「倫理指針」と「科学的妥当性」
	□ 「倫理的妥当性」と「科学的妥当性」
改定	定後
7.	医薬品の臨床試験の実施の基準である GCP が求めている大きな基本原則は 2 つ
	ある。組み合わせが正しいのはどれか。1つ選べ。
	□ 「倫理的妥当性」と「科学的モラル」
	□ 「倫理指針」と「科学的モラル」
	□ 「倫理指針」と「科学的妥当性」
	■ 「倫理的妥当性」と「科学的妥当性」
改司	收定後
7.	GCP が治験を行う際に重きをおいていないものはどれか。1つ選べ。
	□ 倫理性
	□ 科学性
	□ 信頼性
	■ 可能性

解説

1997年3月に省令GCP「医薬品の臨床試験の実施の基準に関する省令」(厚生省第28号)が定められた。このGCPは、被験者の人権の保護、安全の保持及び福祉の向上を図り、治験の科学的な質及び成績の信頼性を確保することを目的として、治験および製造販売後臨床試験に関する計画、実施、モニタリング、監査、記録、解析及び報告等に関する遵守事項を定めたものである



International Symposium on Globalization of Clinical Research and Trial

(http://cbi.umin.ne.jp/dces/isgcrt e.pdf)

Date: Feb. 6, 2013

Venue: Lecture Hall 3F Bldg #1,

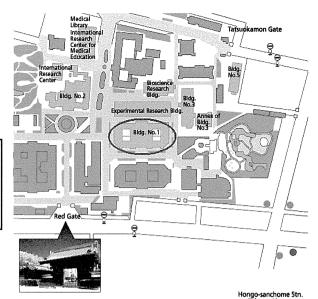
Faculty of Medicine, the University of Tokyo

Registration fees: Free (Reception ¥6000yen or \$60)

Registration (No later than Jan. 31)

Send the following information to cbi-secretary@umin.ac.jp Name, Organization, Telephone, Email address, Attending

Reception Yes/No



🕽 : Marunouchi Line

<Program>

9:30 Entrance open

10:00-10:10(10min) Opening remarks

Mr. Masanobu Yamada (The Ministry of Health, Labor and Welfare in Japan)

Prof. Ryozo Nagai (President of Jichi Medical University)

10:10-10:50 (40min) Keynote address: Step-up the knowledge of Biostatistics

Prof. Yasuo Ohashi, PhD (Dept. of Biostatistics, School of Public Health, University of Tokyo)

Main session: Lessons learned from US and Japan

10:50-11:50 (60min)

(1) Overview of trial experience & recent experience with ROCET AF Study

Dr. Manesh R. Patel, MD, FACC (Assistant Professor of Medicine, Duke University Medical Center)

11:50-13:30 (100min) Lunch

13:30-14:30 (60min)

(2) Overview of Registry Studies

Dr. Adrian F. Hernandez, MD, MHS (Associate Professor of Medicine, Duke University Medical Center)

14:30-15:30 (60min)

(3) Best practice for conducting and reporting clinical studies using large database

Dr. Soko Setoguchi, MD, MPH (Associate Professor of Medicine, Duke Clinical Research Institute)

15:30-16:00 (30min) Break

16:00-16:40 (40min)

(4) Strategy of Clinical Study - HOP, JAMP, SPREAD from JAPAN -

Prof. Kazuomi Kario, MD (Dept. of Internal Medicine, Jichi Medical University)

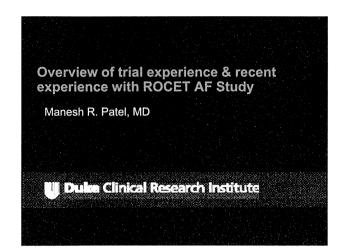
16:40-16:45 (5min) closing remarks

Dr. Daisuke Koide (Assistant Professor of Medicine, the University of Tokyo)

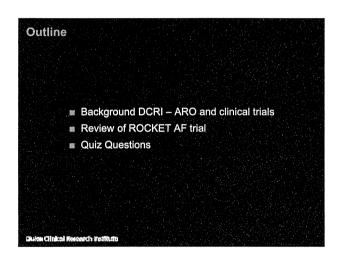
17:00-19:30 reception (Ito International Research Center, the Univ. of Tokyo)

Note: Simultaneous interpretation will be available. Please understand that this symposium will be recorded by a video camera and used for e-learning. We make sure that the audience will not be recorded.

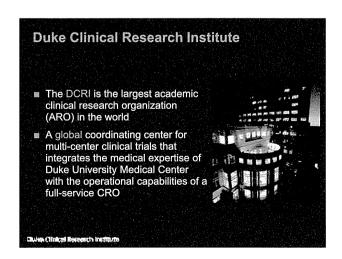
Sponsored by Grant projects of the ministry of Health, labor and welfare in Japan (leaders are Dr. Koide (Univ. of Tokyo) & Dr. Yamamoto (National Cancer Research Center)).









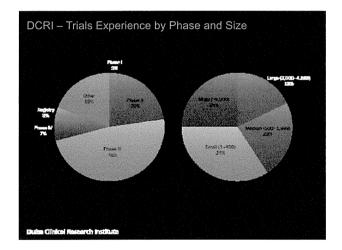


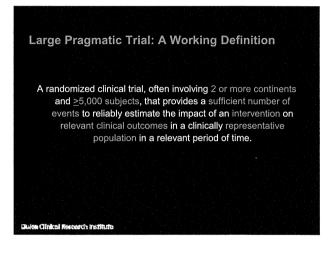


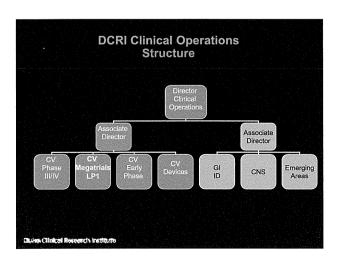


■ Founded in 1969 with the development of the Duke Databank for Cardiovascular Diseases ■ >23 years of experience in coordinating multi-center trials in over 20 therapeutic areas ■ >1100 staff and 120 clinical/statistical faculty ■ More than 700 clinical trials and outcomes research projects completed in 64 countries enrolling over 1 million subjects ■ More than 4,600 publications in peer-reviewed journals



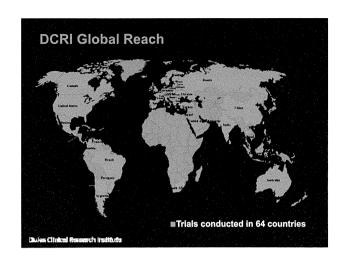






GUSTO-I 41,021 GUSTO-IIA/IIB 12,142 GUSTO-III 15,060 ASSENT-II 17,043 HERO-2 17,073 PURSUIT 10,948 SYMPHONY 9,130 2nd SYMPHONY 6,677 PARAGON-B 5,225 All registration trials yellow denotes EDC	REPLACE 2 SYNERGY VALIANT EARLY ACS APEX AMI IMPROVE IT ASCEND HF ROCKET AF TRA*CER TECOS Total	6,010 10,027 14,703 9,500 5,745 18,000 7,000 14,000 10,000 15,000 244,274
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Global Academic Cardiovascular Collaborations Most of World ■ Greenland-Auckland North America ■ NHMRC-Sydney Canadian VIGOUR (V) Flinders-Adelaide Center-Edmonton ■ Singapore-SCRI Montreal Heart ■ LCC- Brussels McMaster- Canada George Institute-Cleveland Clinic-C5 Sydney/China/India Henry Ford-Detroit ■ Uppsala- Sweden TIMI-Boston ■ DTU -UK Thomas Jefferson-Philly BCRI- Sao Paulo ECLA- Argentina ■ TANGO-Argentina Bules Clinked Respects institute

1. Have we enrolled the right participants according to the protocol with adequate consent? 2. Did participants receive the assigned treatment and did they stay on the treatment? 3. Was there complete ascertainment of primary and secondary efficacy data? 4. Was there complete ascertainment of primary and secondary safety data? 5. Were there any *major* GCP related issues?

Clinical Quiz ■ The Large Pragmatic Trial or Mega-Trial definition employed by the DCRI and other organizations is? 1 Trial with over 500 patients 2 Trial with over 500 patients on two continents 3 Trial with over 5000 patients 4 Trial with over 5000 patients on two continents

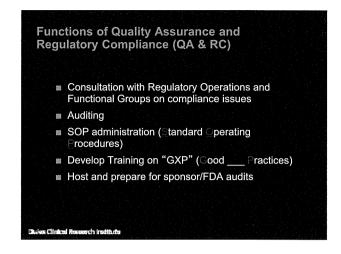
Quien Clinical Research Institute

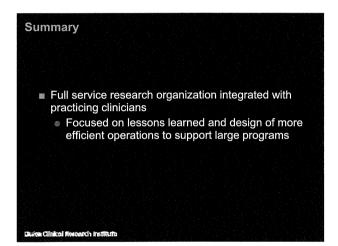
■ The Large Pragmatic Trial or Mega-Trial definition employed by the DCRI and other organizations is? 1 Trial with over 500 patients 2 Trial with over 500 patients on two continents 3 Trial with over 5000 patients 4 Trial with over 5000 patients on two continents Generally, by definition mega-trials include over 5000 patients that are geographically diverse (at least two continents)

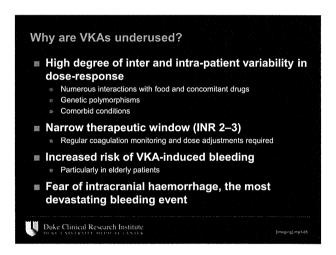


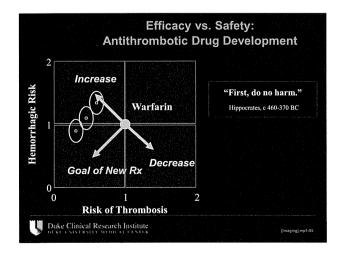
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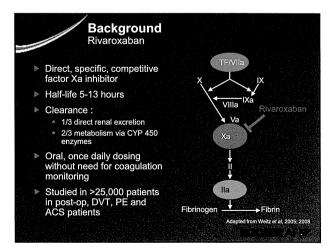
Guiding principles drive quality through all parts of the model Easily accessible reports allow rapid identification of site/regional global issue Integrated CEC workflow allows focused cleaning and expedited review of suspected events Aggressive management of cleaning delivers on time data lock Dakes Clinical Research Institute



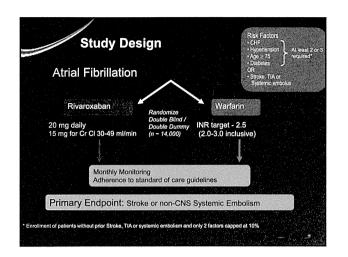


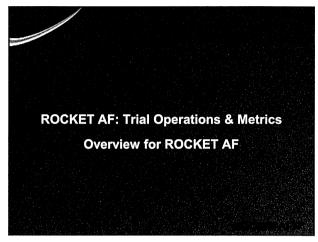


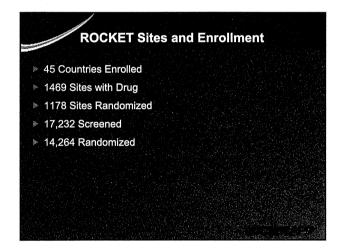


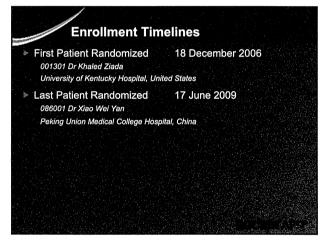


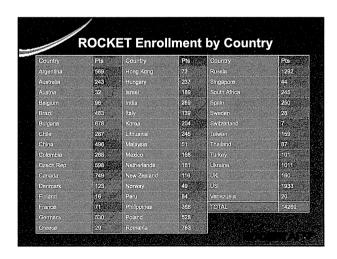
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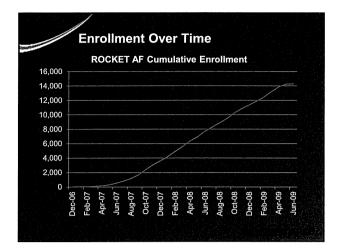






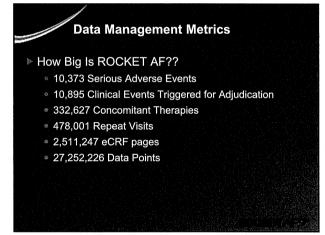


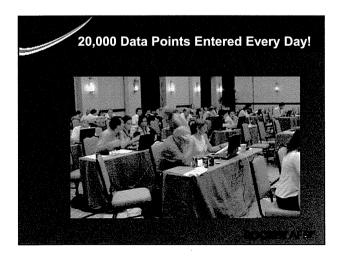


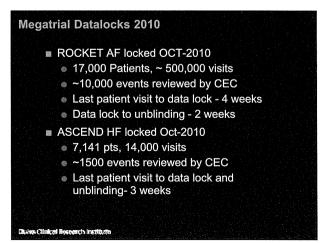


Top 15 Enrollers - Global					
Country	Site Number	PI First Name	Site Name	# of Pts	
Philippines	063004	Louie Tirador	Saint Paul's Hospital	129	
Bulgaria	359002	Dimitar Raev	MI-Central Clinical Hospital - Ministry of Interior	90	
Poland	048037	Grzegorz Kania	NZOZ Przychodnia Zdrowia	72	
Germany	049062	Ayham Al-Zoebi	Kardiologische Praxis	72	
Romania	040012	Constantin Milataru	Cardiomed	66	
Philippines	063006	Elfred Batalla	Davao Doctors Hospital	64	
Russia	007040	Yury Shvarts	Clinical Hospital #3	63	
Romania	040023	Mariana Tudoran	Spitalul Clinic Judetean de Urgenta Timisoara	61	
Spain	034041	Miguel Pelayo	Hospital Virgen del Mar	60	
Bulgaria	359011	Konstantin Ramshev	MMA	60	
Bulgaria	359019	Valentina Grigorova	1-st MHAT - Sofia	60	
Brazil	055030	Jose Kerr Saraiva	Hospital e Maternidade Celso Pierro	59	
Bulgaria	359008	Sotir Marchev	V MHAT Sofia	58	
Brazil	055018	Euler Manenti	Hospital Mae de Deus	57	
Hungary	036007	Andras Vertes	Fovarosi Onkormanyzat Szent	56	

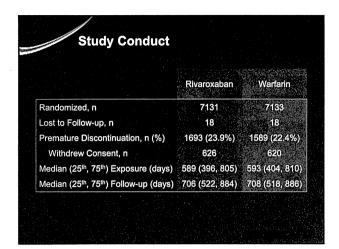


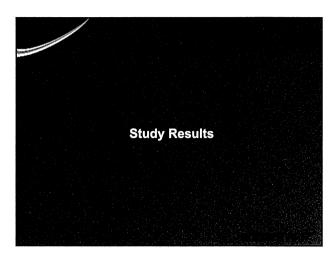


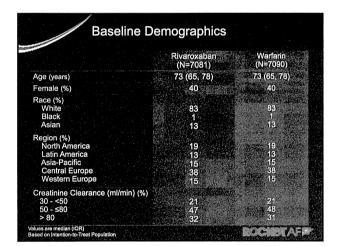


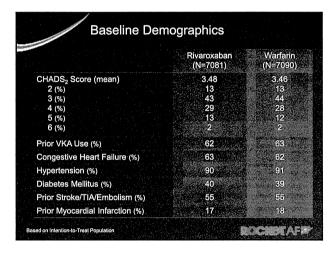


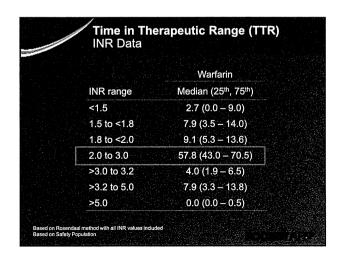
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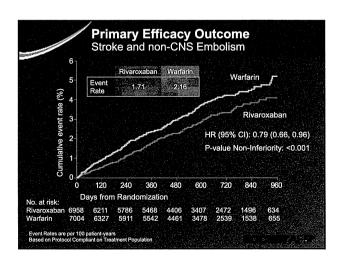








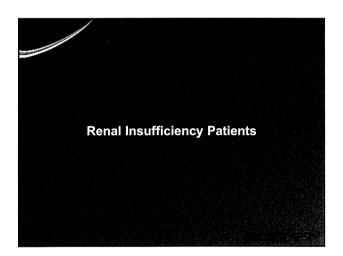


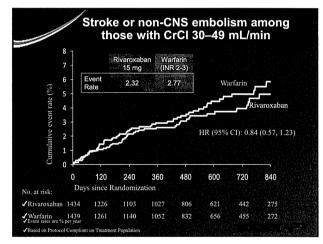


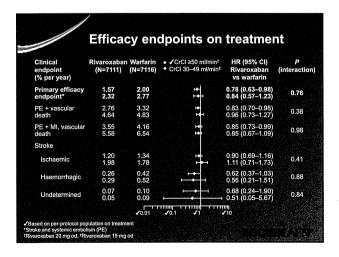


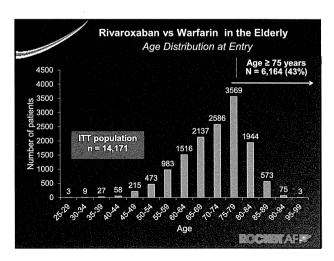
		Rivaroxaban	Warfarin			
		Event Rate	Event Rate	HR (95% CI)	P-valu	
ferenceises (f) curcum of	On Treatment N= 14,143	1.70	2.15	0.79 (0.65,0.95)	0.015	
Scance out of poster	ITT N= 14,171	2.12	2.42	0.88 (0.74,1.03)	0.117	
).5 Piyaroyahan	1	2				
Rivaroxaban better	Warfarin better					

	Rivaroxaban	Warfarin Event Rate	HR	P-
	Event Rate or N (Rate)	or N (Rate)	(95% CI)	valu
Major	3.60	3.45	1.04 (0.90, 1.20)	0.57
≥2 g/dL Hgb drop Transfusion	2.77 1.65	2.26 1.32	1.22 (1.03, 1.44) 1.25 (1.01, 1.55)	0.01
Critical organ bleeding	0.82	1.18	0.69 (0.53, 0.91)	0.00
Bleeding causing death	0.24	0.48	0.50 (0.31, 0.79)	0.00
Intracranial Hemorrhage	55 (0.49)	84 (0.74)	0.67 (0.47, 0.94)	0.01
Intraparenchymal	37 (0.33)	56 (0.49)	0.67 (0.44, 1.02)	0.06
Intraventricular	2 (0.02)	4 (0.04)		
Subdural	14 (0.13)	27 (0.27)	0.53 (0.28, 1.00)	0.05
Subarachnoid	4 (0.04)	1 (0.01)		

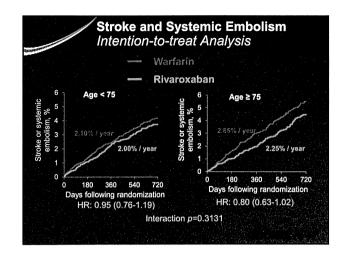


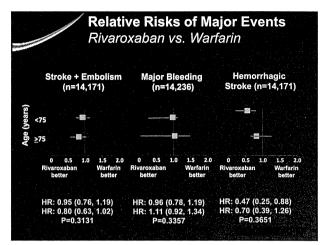


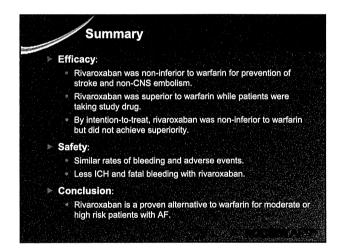




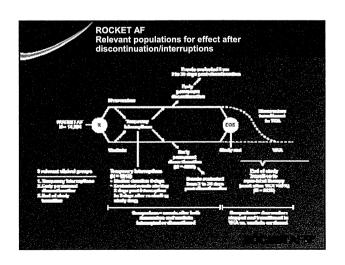
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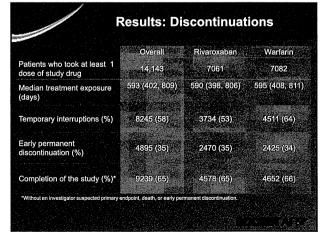




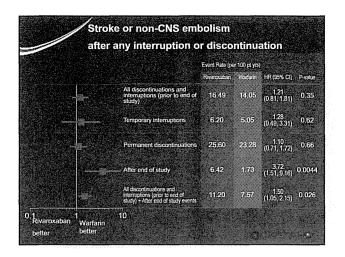


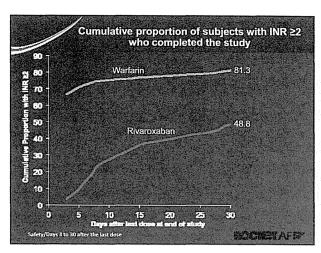




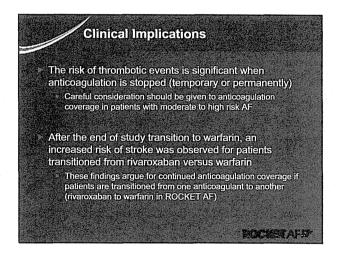


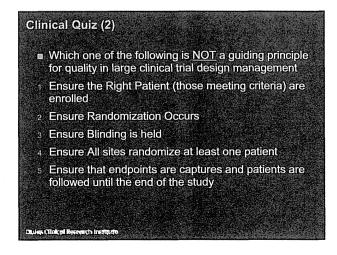


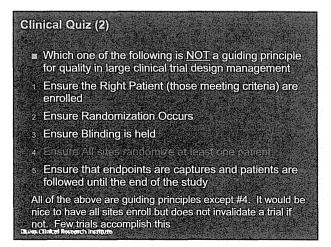




Conclusions In AF patients temporarily interrupting or permanently discontinuing anticoagulation, the risk or stroke or non-CNS embolism is high and similar with rivaroxaban or warfarin. An increased risk of stroke and non-CNS embolism was observed in rivaroxaban- compared with warfarin-treated patients undergoing transition to open label therapy after the end of study: Warfarin ______ VKA Rivaroxaban _____ VKA









Clinical Quiz (3)

- Which one of the following caused the unbalance in clinical events after discontinuation in ROCKET AF?
- Differential treatment with unfractionated heparin
- 2 Differential follow up (different follow up periods for the two groups)
- 3 Transition from blinded study drug to open lable study drug – where warfarin was still used but rivaroxaban was not possible open label
- 4 Differential (uneven or unbalanced) capture of events in the two treatment arms

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Clinical Quiz (3)

- Which one of the following caused the unbalance in clinical events after discontinuation in ROCKET AF?
- Differential treatment with unfractionated heparin
- Differential follow up (different follow up periods for the two groups)
- 3 Transition from blinded study drug to open label study drug – where warfarin was still used but rivaroxaban was not possible open label
- 4 Differential (uneven or unbalanced) capture of events in the two treatment arms

Transition from blinded study to open label study with one arm changing and the other study arm staying on same drug

Clinical Quiz (4)

- The term "double-dummy" in trials like ROCKET AF refers to the following:
- 1 The need for patients to take two different therapies (one active and one placebo) due to either differences in dosing schedule or in order manage one therapy differently than another (dose adjustment)
- 2 The type of blinding that includes the CEC
 - The type of study where for a short period of time some patients only get placebo

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Clinical Quiz (4)

- The term "double-dummy" in trials like ROCKET AF refers to the following:
- The need for patients to take two different therapies (one active and one placebo) due to either differences in dosing schedule or in order manage one therapy differently than another (dose adjustment)
- 2 The type of blinding that includes the CEC
- 3 The type of study where for a short period of time some patients only get placebo

Double dummy refers to two different therapies (two bottles for each patient)

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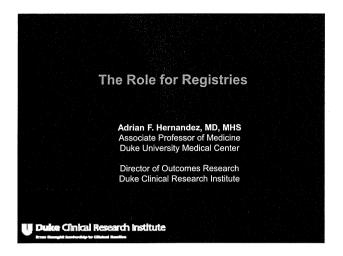
Systems Integration: Operational Efficiencies

- Randomization: Upload IVR data into InForm on a regular basis, i.e., minutes to hours
- Site Management Data: Import site user demographic data
- SAE Incorporate SAE reporting into InForm
- SDV Tracking: Incorporate targeting/tracking of patients/forms source verified
- CEC. Incorporate adjudication triggers, tracking and results into InForm
- Data Status Reports: By patient, site, country, overall

Outcome: Enhanced Data Quality via Data Surveillance by providing feedback to sites, CRAs, Study Operations and Clinical Leadership to deliver a Quality dataset.

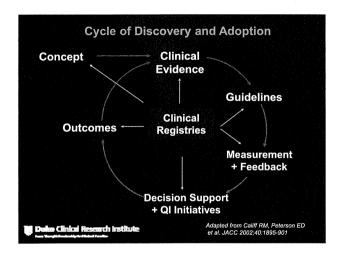
Chilley Clinical Research Institute





Our Mission:
Health Services and Outcomes Research

To lead and advance innovative health services research that improves the quality, value, and outcomes of patient-centered care.



What we do · Outcomes research · Drug and device safety · Quality improvement · Health economics · Implementation science Health policy Comparative effectiveness · Methods development research • Patient-reported outcomes Medical decision making · Decision modeling · Cluster randomized trials Pharmacoepidemiology Empirical bioethics



Which of the following questions can a registry not address?

A. Is a drug definitively better than standard of care (efficacy)?

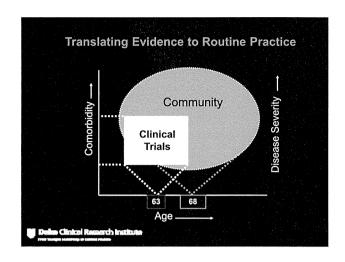
B. Are we doing the right things? (evidence)

c. Are we doing the right things right?
(application)

D. Are our patients better off for it? (outcomes)

Roles for Clinical Registries
Identify the Challenges:

Define epidemiology and temporal trends in community-based practice
Disease presentation
Risk factors
Prognostication
Treatment and utilization patterns
Patient outcomes



Registries A Tool to Improve
Quality of Care

"Degree to which health care services increase
the likelihood of desired health outcomes and
are consistent with current professional
knowledge"

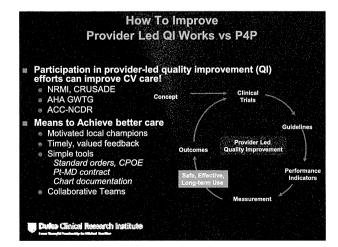
Are we doing the right things? (evidence)
Are we doing the right things right? (application)
Are our patients better off for it? (outcomes)

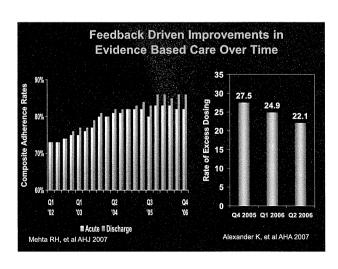
Question 2

■ Can a registry improve quality of care?

A. Yes, data from a registry can be used to inform healthcare providers on best care

B. No, registry data is limited to patient information only





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