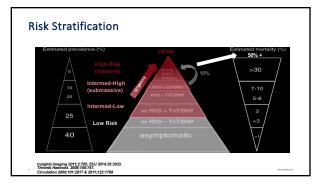
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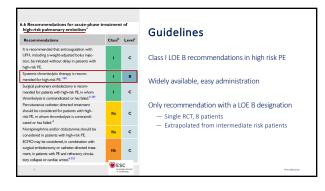
#### /EITH SYMPOSIUM 2024

## Intravenous Thrombolytic Therapy For PE: Why, When and At What Dose

Disclosures		
NONE		

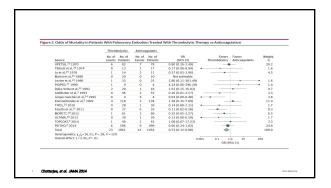






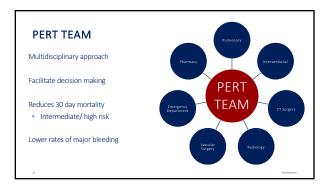
#### Risk Factors for Bleeding – When not to use

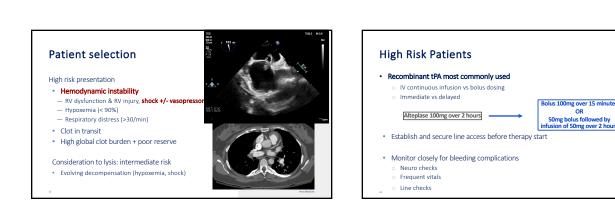
Major Contraindications	Relative Contraindications
Structural intracranial disease	SBP > 180, DBP > 110
Prior ICH	Recent non-intracranial bleeding
Recent ischemic stroke (3 mo)	Recent surgery/ invasive procedure
Active bleeding/ bleeding diathesis	Ischemic stroke > 3 mo
Recent brain/ spine surgery	Traumatic CPR
Recent head trauma	Pregnancy
	Age > 75, low body weight (< 60 kg)



	Thron	abolytics	Antico	agulants									
Source	No. of Events	No. of Patients	No. of Examps	No. of Patients	0R (95% C	.0	Favors Thrombolytics	Favors Anticoaculants	Weight S				
Goldhaber et al. <sup>2</sup> 1993	0	46	2	55	0.16 (0.01-3				5.3				
Konstantinides et al. <sup>3</sup> 2002	4	118	3	138	1.58 (0.35-7		_		18.4				
TIPES, 29 2010	0	28	1	30	0.14 (0.00-7				2.7				
Fasulio et al, <sup>11</sup> 2011	0	37	6	35	0.11 (0.02-0	0.58) -			15.1				
MOPETT, 10 2012	1	61	3	60	0.35 (0.05-2	2.57)			10.5				
ULTIWA, <sup>30</sup> 2013	0	30	1	29	0.13 (0.00-6	5.59) +	•		2.7				
TOPCOAT, <sup>9</sup> 2014 PEITHO, <sup>8</sup> 2014	-		-							Fibrir			cebo,
Total	1									Treatmen	it, mm Hg	m	n Hg
Heterogeneity: χ <sub>1</sub> <sup>2</sup> = 7.63; P = .3 Overall effect: z = 2.22; P = .03		st Author/ ady		Year	Lytic Agent	No. Given Lytic	No. Given Placebo	Timing of Seco Measurement		Mean PAP (Pre)	Mean PAP (Post)	Mean PAP (Pre)	Mean I (Pos
	TR	but <sup>126</sup>		1974	SK	11	12	72		30.8	18.5	34.3	29.6
	PIC	DPED:27		1990	1PA	9	4	1.5		28	25	33	33
	Ka	nstantinides	128	1998	IPA	27	13	12		34	22	29	27
		LBP29		1973	UK	82	78	24		26.2	20	26.1	25
	Da	lla-Volta <sup>124</sup>		1992	IPA	20	16	2		30.2	21.4	22.3	24.1
	Me	ean (SD)							Г	29.8 (3.0)	21.4 (2.4)	28.9 (4.9)	27.9 (

Outcome of Interest	No. of Events/No. of Patient	No. Needed to Treat or		
(No. of Studies Reporting)	Thrombolytic Group	Anticoagulant Group	Harm	P Valu
All-cause mortality (16)	23/1061 (2.17)	41/1054 (3.89)	NNT = 59	.01
Major bleeding (16)*	98/1061 (9.24)	36/1054 (3.42)	NNH = 18	<.001
ICH (15)	15/1024 (1.46)	2/1019 (0.19)	NNH = 78	.002
Recurrent PE (15)	12/1024 (1.17)	31/1019 (3.04)	NNT = 54	.003
Age >65 y				
All-cause mortality (5)	14/673 (2.08)	24/658 (3.65)	NNT = 64	.07
Major bleeding (5) <sup>a</sup>	87/673 (12.93)	27/658 (4.10)	NNH = 11	<.001
Age ≤65 y				
All-cause mortality (11)	9/388 (2.32)	17/396 (4.29)	NNT = 51	.09
Major bleeding (11) <sup>a</sup>	11/388 (2.84)	9/396 (2.27)	NNH = 176	.89
Intermediate-risk PE				
All-cause mortality (8)	12/866 (1.39)	26/889 (2.92)	NNT = 65	.03
Major bleeding (8) <sup>a</sup>	67/866 (7.74)	20/889 (2.25)	NNH = 18	<.001





#### Fibrinolysis for Patients with Intermediate-Risk Pulmonary Embolism

Eric Vicaut, M.D., Thierry Danays, M.D., Giancarlo Agnelli, M.D., Cecilia Becattini, M.D., , Erich Bluhmki, M.D., Ph.D., 448, for the PEITHO Investigators<sup>®</sup> Author Info & hed April 10, 2014 | N Engl J Med 2014;370:1402-1411 | DOI: 10.1056/NEJMoa13020

# Reduced-Dose Intravenous Thrombolysis for Acute Intermediate–High-risk Pulmonary Embolism: Rationale and Design of the Pulmonary Embolism International THrOmbolysis (PEITHO)-3 trial HTTOTIOUOUSSI (TELETIOUS) LIGI Oler Sander<sup>1,2,1,3</sup> And CharlesHead<sup>1,4</sup> Wate Agen<sup>3</sup> Safetes Beno<sup>1,4,6</sup> Handl Bioder<sup>14</sup> Clife Charlet<sup>1,3,4</sup> Delife Darchenkel<sup>11</sup> Safets Agen<sup>3</sup> Multieri Emers<sup>1</sup><sup>2</sup> Relify Carde<sup>1,4</sup> Morrels Leite<sup>11,3,4</sup> Biod Interen<sup>4</sup> Safets Charlah<sup>3,4,5,4</sup> Multieri Beno<sup>3</sup> Handl Mersle Leite<sup>11,3,4</sup> Biodin Menneset<sup>1,2,1,2</sup> Plot Postcytz<sup>2</sup> Antonio Penn<sup>3</sup> Marc Sphur Japaha Rossiaza<sup>2,4</sup> Safetsata Safets<sup>3,4</sup> Steren X Konstantinde<sup>1,3,10</sup> Goy Mege<sup>1,3,14</sup> Inter 1000<sup>1</sup> Dir Volu<sup>11</sup> Antona Zill<sup>3,4</sup> Steren X Konstantinde<sup>1,3,10</sup> Goy Mege<sup>1,3,14</sup>

