

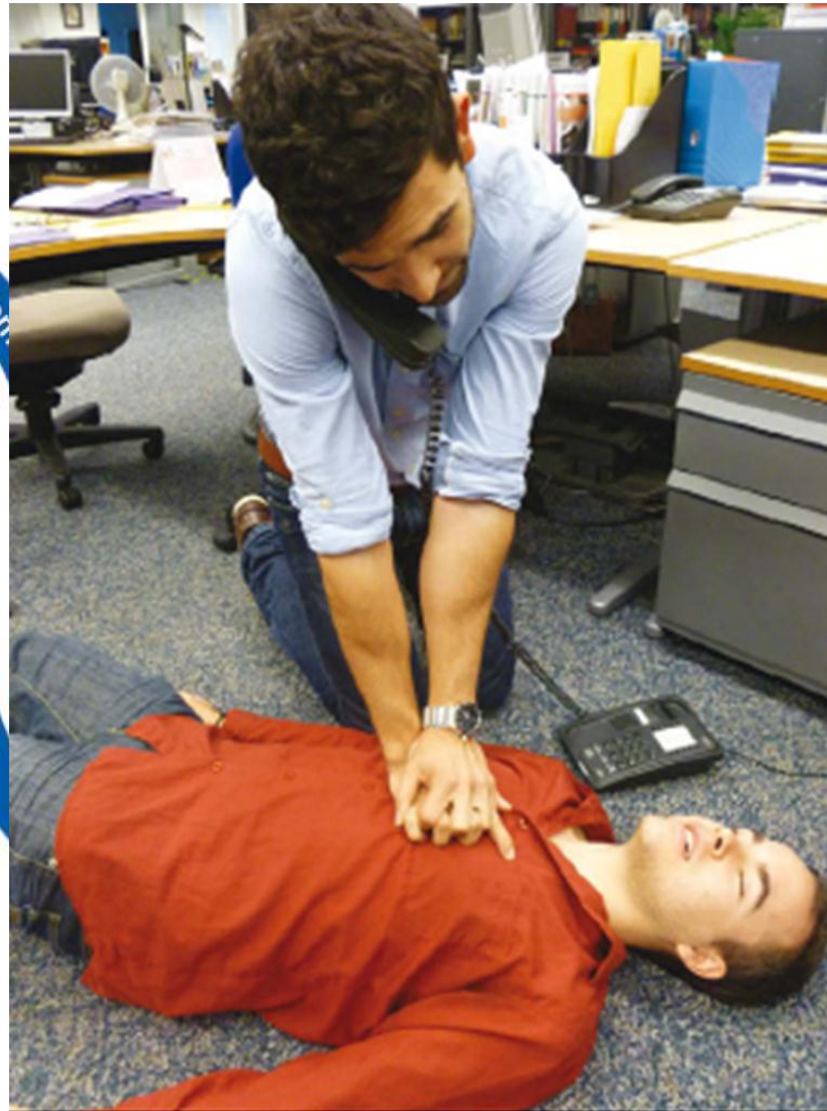




Problem Europa

- Rocznie w Europie dochodzi do 500 000 NZK
- Rozpoczęcie RKO przez świadków zdarzenia powoduje 3-krotny wzrost przeżywalności i może uratować życie 100 000 osobom

Jak leczyć NZK?



EuReCa Results 2009



	Andalusia	Belgium	CZ reg. 1	CZ reg. 2	Czech R.	France	Germany	Ireland	North-Holland 2008	North-Holland 2009	Poland	Sweden
Total population in the reported region	5.575.128	10.600.000	554.402	1.247.533	1.801.935	1.985.270	5.622.667	489.981	2.400.000	2.400.000	760.000	9.000.000
OHCA considered for resuscitation	1102	5671	834	1485	2319	1899	2267		1433	1365	844	
Incidence of OHCA considered for resuscitation	19,77	53,50	150,43	119,03	128,69	95,65	40,32		59,71	56,88	111,05	
Resuscitation started												3535
Incidence of started resuscitation												39,28
Place of CA =Home (n)												2246
Place of CA =Home (%)												63,54
Place of CA =Home / 100.000												24,96
Collapse witnessed (n)												2355
Collapse witnessed (%)	99,52		67,47			74,02	66,03	55,87	76,03	73,32	41,08	66,62
Collapse witnessed / 100.000	18,40		50,50			47,80	25,86	24,29	35,29	35,50	26,97	26,17
Bystander CPR (n)	114		174	145	819	332	476	65	665	727		1692
Bystander CPR (%)	11,06		41,93	54,44	50,04	25,90	21,62	30,52	59,69	62,56		47,86
Bystander CPR / 100.000	2,04		31,39	35,67	34,35	16,72	8,47	13,27	27,71	30,29		18,80
Cardiac cause (n)	836	4682	228			832	1486	176	993	1028		2081
Cardiac cause (%)	81,09	82,56	54,94			64,90	67,48	82,63	89,14	88,47		58,87
Incidence of started resuscitation in cardiac cause	15,00	44,17	41,13			41,91	26,43	35,92	41,38	42,83		23,12
non cardiac cause	191	989	92			450	554	35	121	132		1305
Incidence of started resuscitation in non cardiac cause	3,43	9,33	16,59			22,67	9,85	7,14	5,04	5,50		14,50
Any ROSC (all causes) (n)	361		161	253	414	311	953	33				
Any ROSC (all causes) (%)	35,01	0,00	38,80	30,78	33,47	24,26	43,28	15,49				
Incidence any ROSC (all causes) / 100.000	6,48	0,00	29,04	20,28	22,98	15,67	16,95	6,73				
ROSC Cardiac (n)	285		72			191	658	31				
ROSC Cardiac (%)	34,09	0,00	31,58			22,96	44,28	17,61				
Incidence of ROSC CC / 100.000	5,11	0,00	12,99			9,62	11,70	6,33				
ROSC non Cardiac (n)	76		37			120	295	2				
Incidence of ROSC nCC / 100.000	1,36	0,00	6,67			6,04	5,25	0,41				

Bystander

11% 62%

Wczesna defibrylacja



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PHYSIO-CONTROL

LIFETIME TOTAL CUMULATIVE DELIVERIES



The image shows a control panel for a Physio-Control device. The main display is a black screen with green text and a waveform. The waveform is labeled 'LEAD II' and 'X1.8'. Below the waveform, there is a small green icon with the text 'X1.8' and 'X1.8'. To the right of the screen, there are several buttons: a 'POWER' button, a 'STOP' button (green), a 'START' button (green), a 'PAUSE' button (orange), a 'RUN' button, and a 'STOP' button (black). The buttons are numbered 1, 2, and 3.

LEAD II
X1.8

X1.8
X1.8

POWER STOP START PAUSE RUN STOP

1
2
3

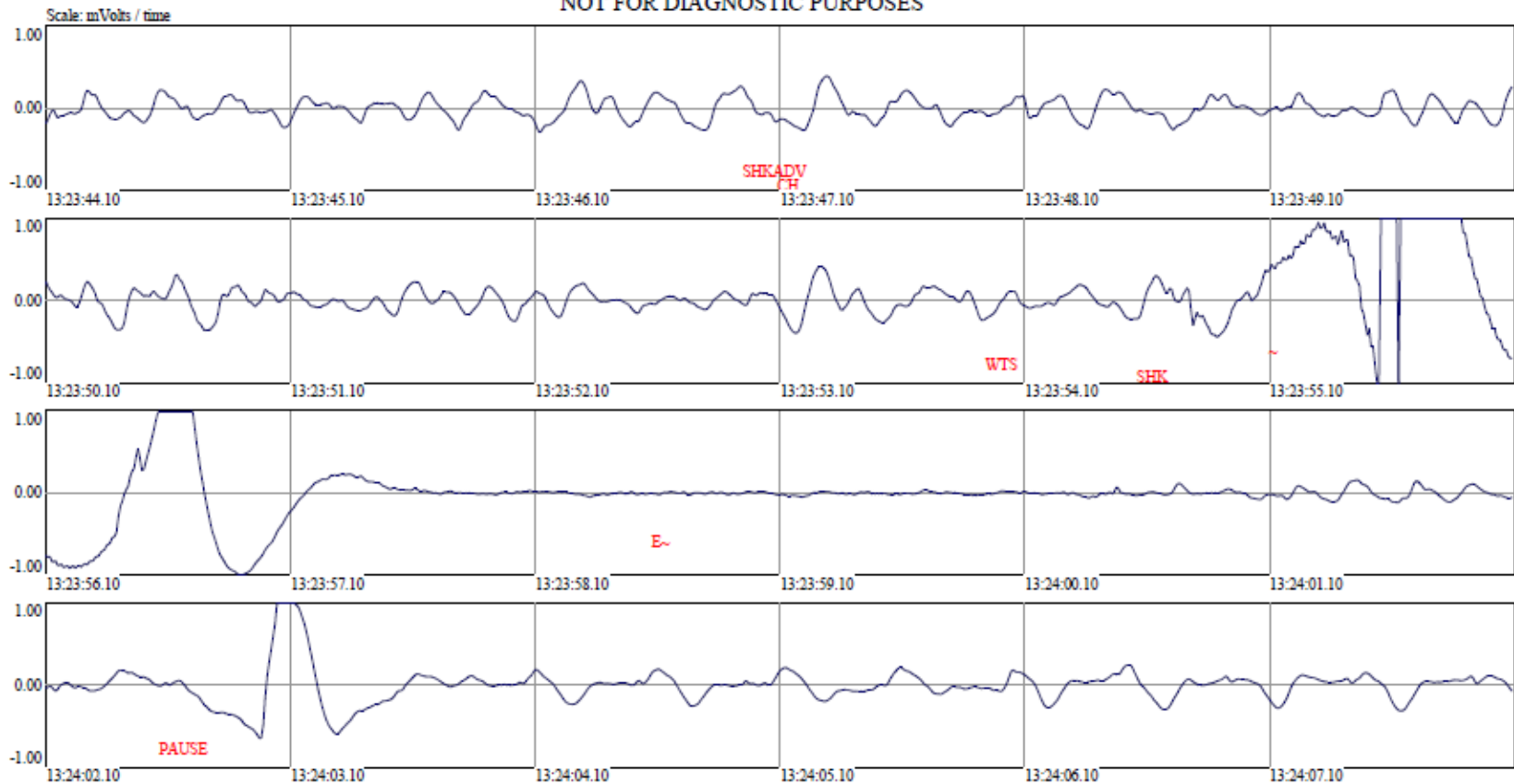


Przypadek NZK i użycie AED w Krakowie w tramwaju Nr 51

Event date: 10/13/2010 13:20:30 UTC
Event duration: 635 ECG seconds
File name: C:\Documents and Settings\user\Pulpit\MPK Kraków AED\kierunek krowodrza górka\D0143900.DFISSN:

Patient:
MRN:

NOT FOR DIAGNOSTIC PURPOSES



Ur

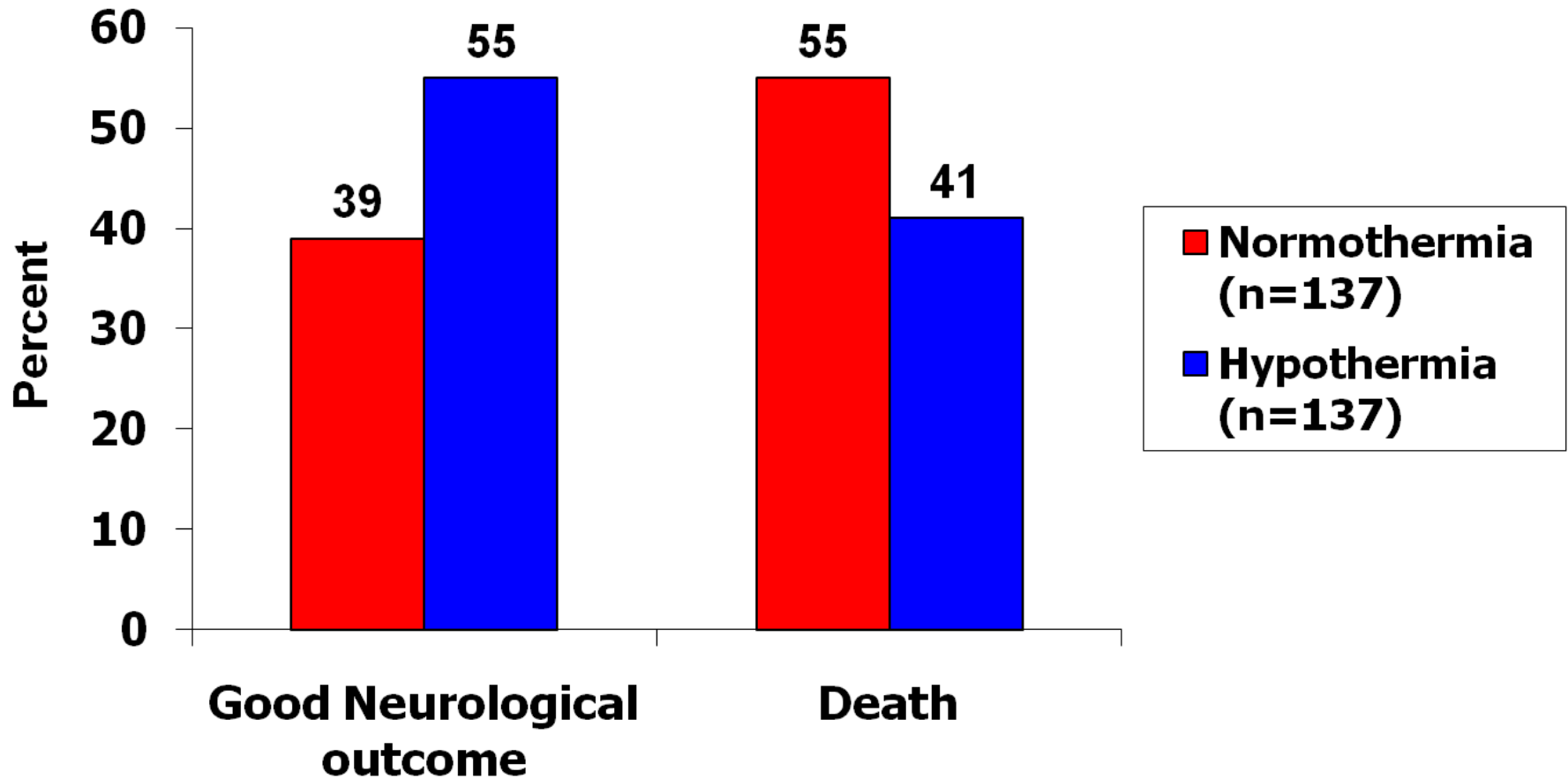
S 2010

Powrót spontanicznego
krążenia

**NATYCHMIASTOWA OPIEKA
PORESUSCYTACYJNA**

- Zastosuj schemat ABCDE
- Kontroluj wentylację i oksygenację
- Wykonaj 12-odprowadzeniowe EKG
- Leczą przyczynę zatrzymania krążenia
- Kontroluj temperaturę/zastosuj terapeutyczną hipotermię

Wprowadzenie hipotermii terapeutycznej (Badanie HACA)



N Engl J Med 2002; 346: 557-63

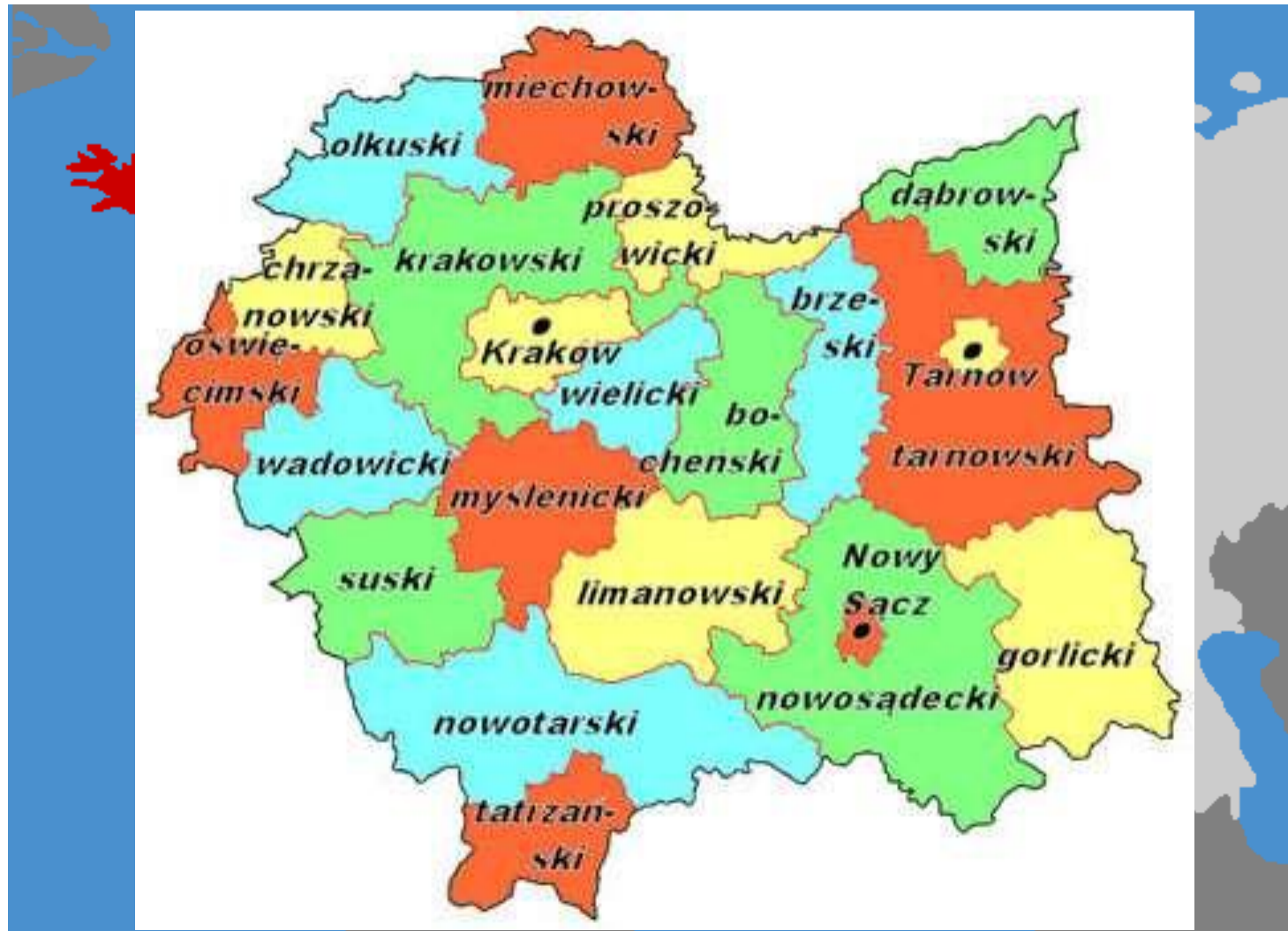
How to cool?



→ Each institution should use a method/combination of methods that suits their infrastructure, logistics, financial resources and treatment plan.



EUropean REgistry of Cardiac Arrest





EuReCa

The Resuscitation 2010 meeting

(01/12/2010, 14:15-16:15)

List of attendants:

Janusz Andres	Poland
Dominique Biarent	Belgium
Leo Bossaert	Belgium
Christophe Bostyn	ERC Office
Diana Cimpoesu	Romania
Linda Del Monte	Medtronic
Chris Desposito	Laerdal Medical
Sveinbjörn Duason	Iceland
Tanya Esposito	Malta
Valentin Georgescu	Romania
Jan-Thorsten Gräsner	Germany
Johan Herlitz	Sweden
Helge Junge	Switzerland
Rudy Koster	Netherlands
Kristian Lexow	Norway
Nikolaos Nikolaou	Greece
Fernando Rosell Ortiz	Spain
Horea Sabau	Romania
Isabel Santos	Portugal
Hildigunnur Svavarsdóttir	Iceland
Ingvild Tjelmeland	Norway
Michel Vaillant	Medtronic
Felix Valsson	Iceland
Doreen Werner	Philips
Peter Wright	Ireland

National Register of OHCA

Cardiac Arrest Registries in Sweden

- **Started 1990**
- **First paperbased**
- **Since 2008 webbased**
- **Covers today all the ambulance organisations in the country**
- **Estimated to cover 80% of OHCA**
- **Sweden has 9 million inhabitants**

Johan Herlitz

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and Prehospital Care
Sahlgrenska University Hospital,
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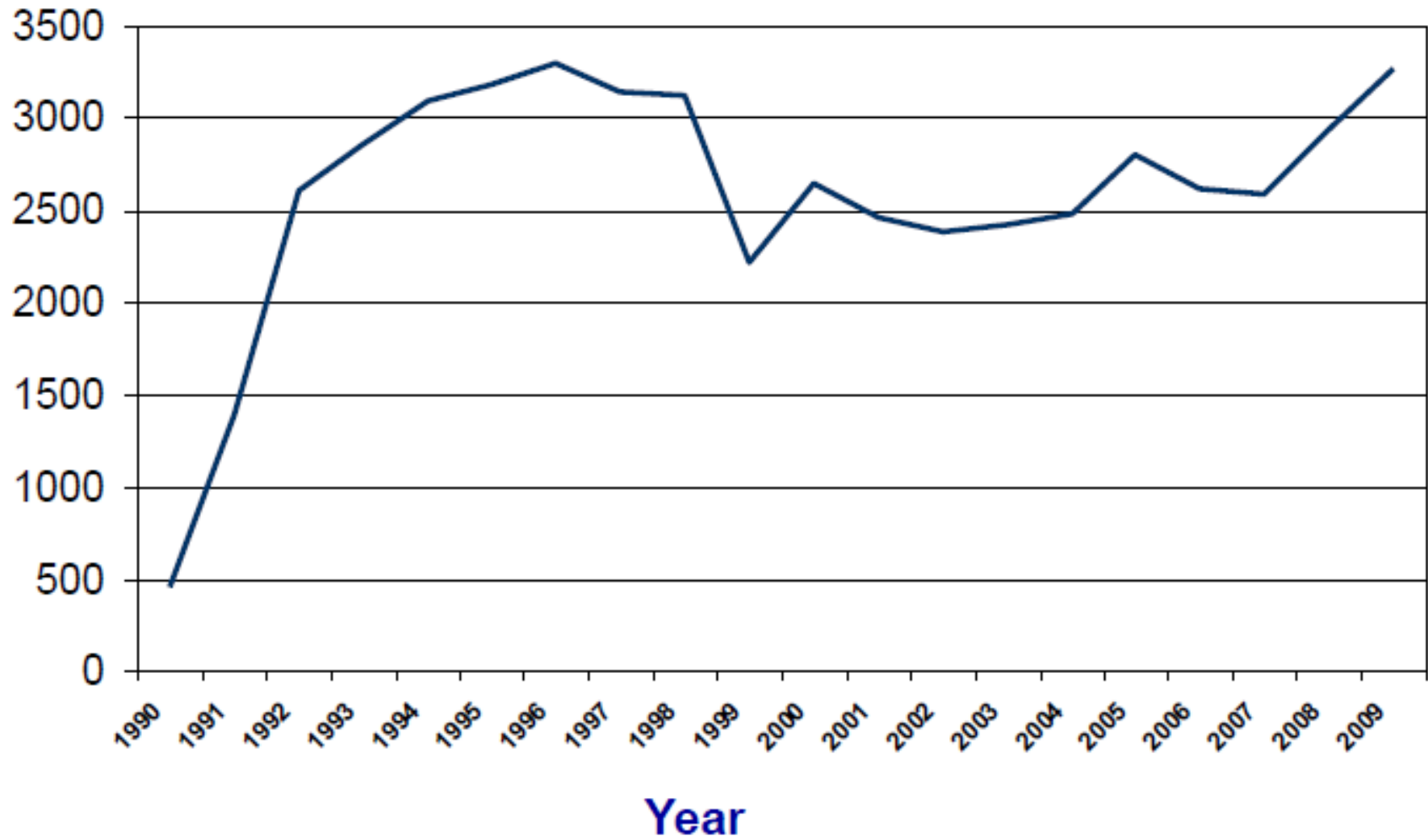
Patient inclusion

Cardiac Arrest Registries in Sweden

Johan Herlitz

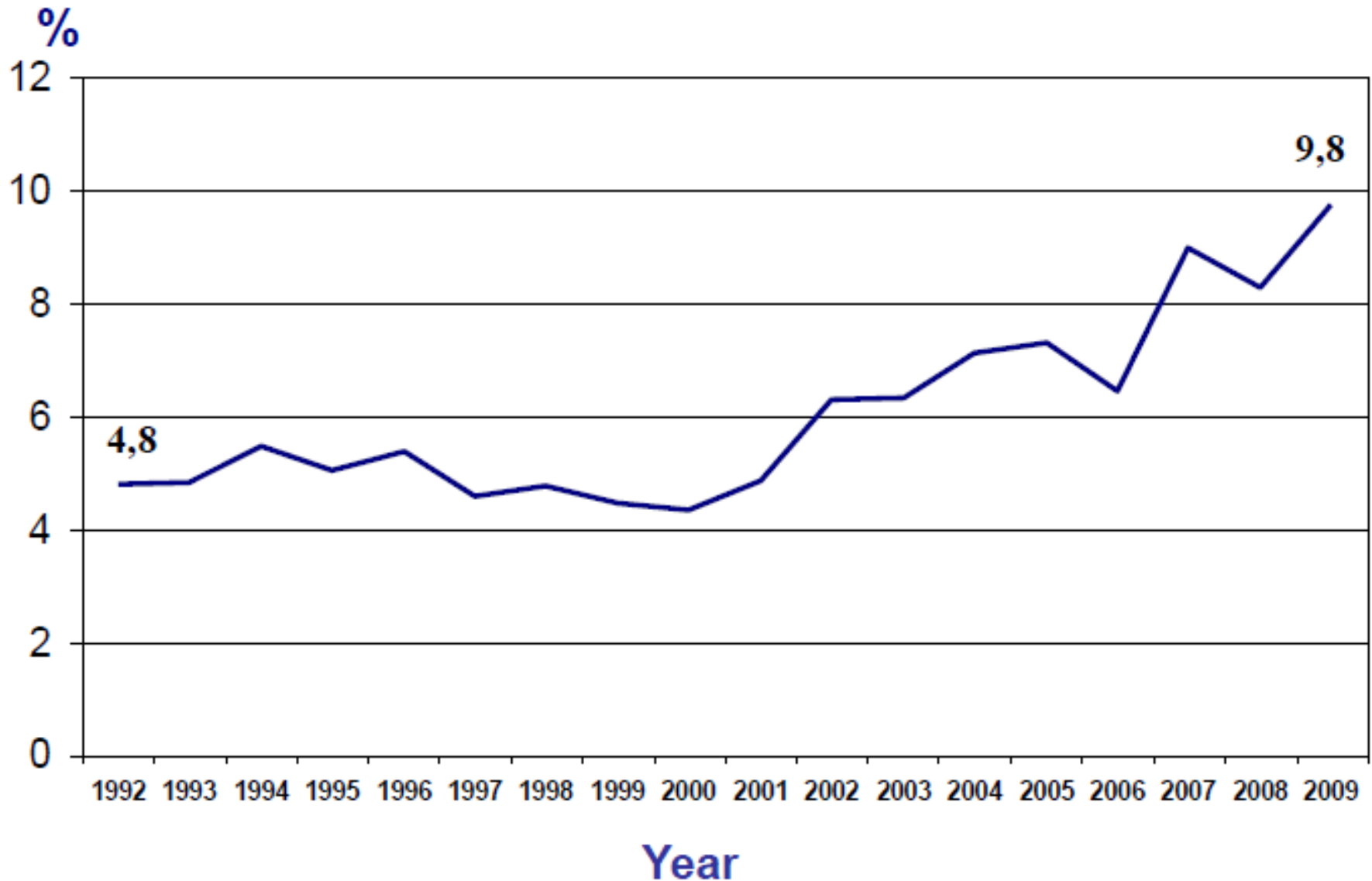
Professor of Cardiology
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Number of patients



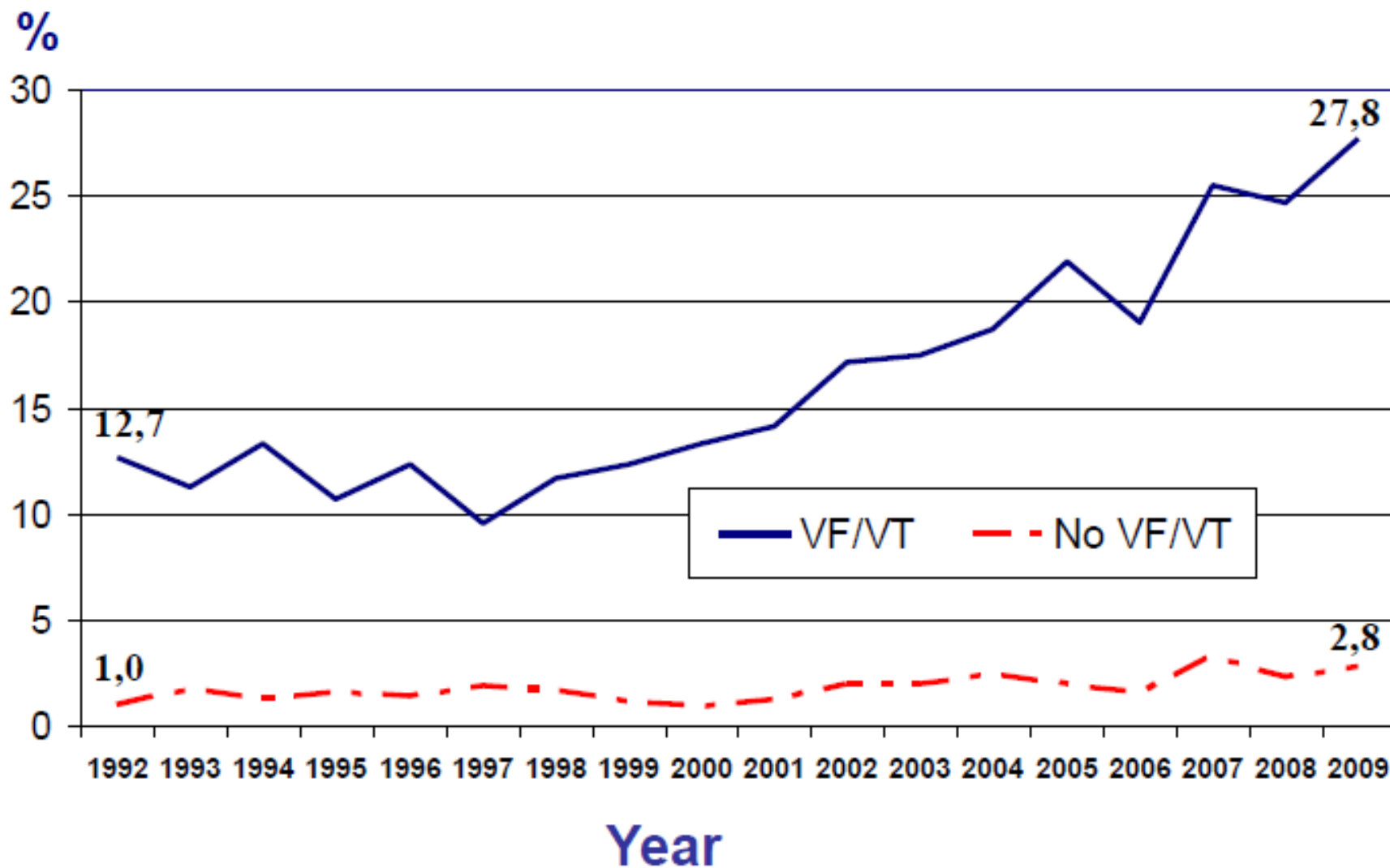
Proportion of patients alive at 1 month

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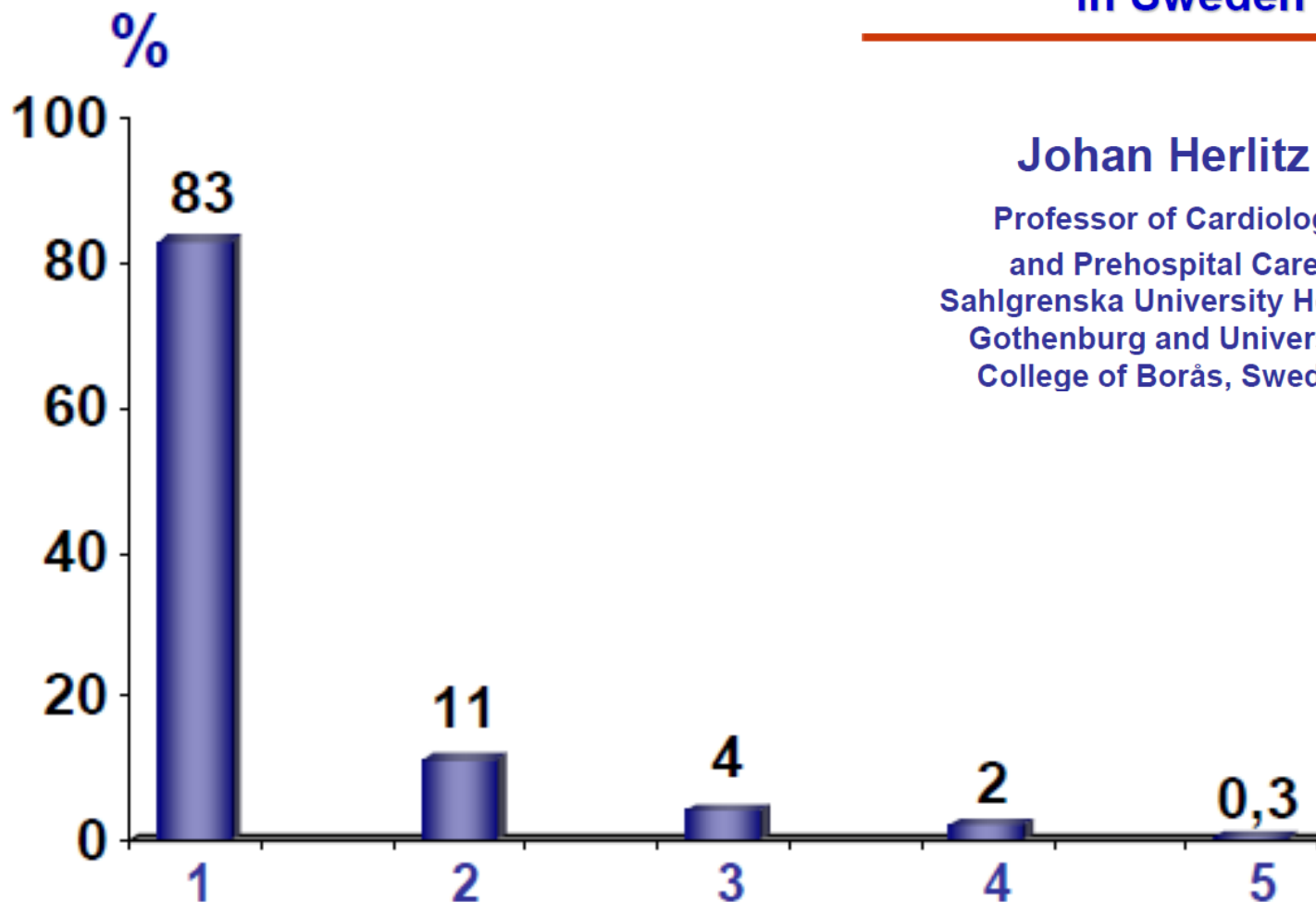
Proportion of patients alive at 1 month in relation to initial rhythm

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CPC score among survivors at hospital discharge

Cardiac Arrest Registries in Sweden

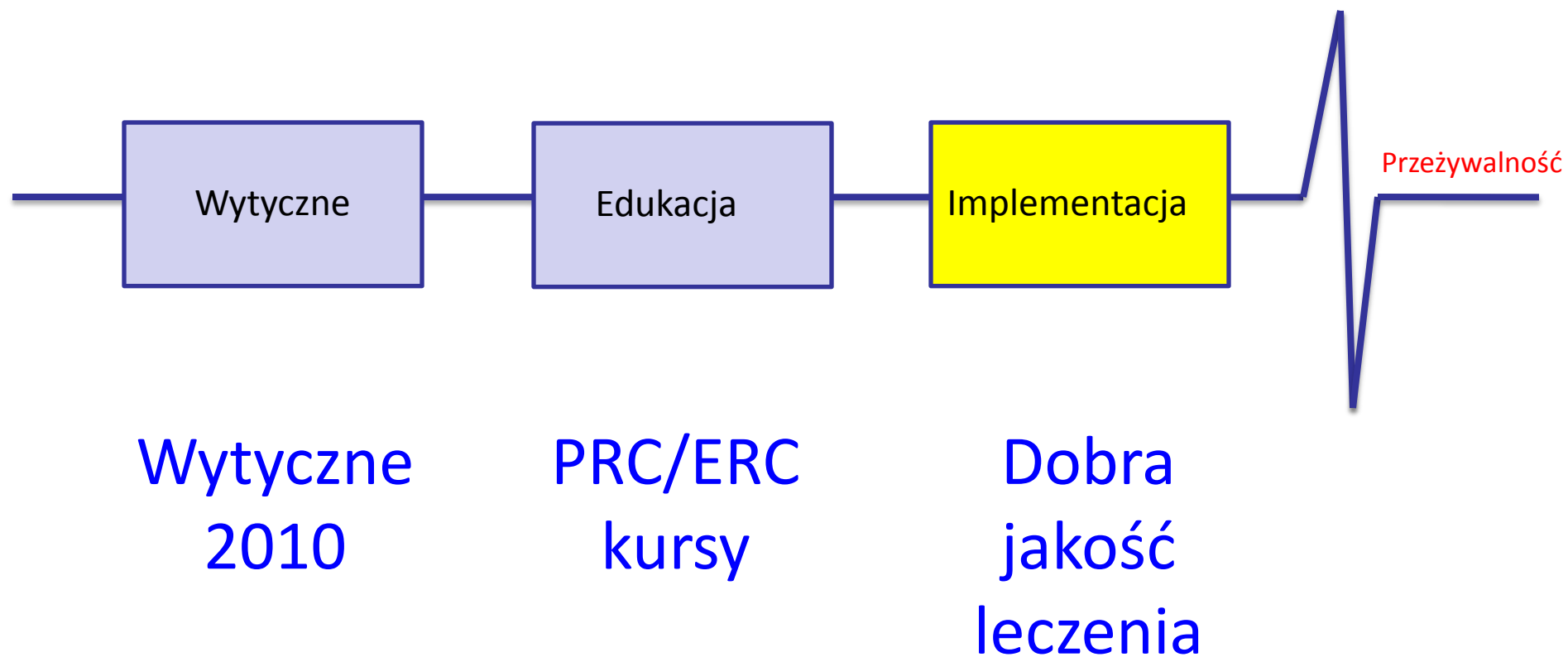


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Formuła przeżywalności w NZK



www.prc.krakow.pl

