



What education do our stakeholders provide themselves and expect from EHRA ?

**Certification Committee
WG on Heart Rhythm, Polish Cardiac Society**

Przemyslaw Mitkowski, MD, PhD, FESC



EDUCATION

WE
ARE THE
ESC

- **THERORETICAL KNOWLEDGE**
- **PRACTICAL SKILLS**

EDUCATIONAL SOURCES – WG on HR, PCS

WE
ARE THE
ESC

- **SPRING MEETING OF THE WG ON HEART RHYTHM – 500 PARTICIPANTS**
 - 2 DAYS, 8 ROWS, 3 PARARELL SESSIONS
 - 1 DAY WORKSHOPS: EP, CP&ICD&CRT



EDUCATIONAL SOURCES – WG on HR, PCS

WE
ARE THE
ESC

- **SPRING MEETING OF THE WG NON-INVASIVE ELECTROCARDIOLOGY & TELEMEDICINE – 500 PARTICIPANTS**
 - ECG WORKSHOP
 - 3 DAYS MEETING, 8 ROWS 3-4 SIMULTANEOUS SESSIONS



EDUCATIONAL SOURCES – WG on HR, PCS

WE
ARE THE
ESC

- **ANNUAL CONGRESS OF THE PCS – 3500 PARTICIPANTS**
 - 3 DAYS, 8 SESSIONS DEDICATED TO ARRHYTHMIA, EP, CP, ICD, CRTD
 - 1 DEDICATED SESSION OF WG



Międzynarodowy Kongres Polskiego Towarzystwa Kardiologicznego Poznań, 15-17 września 2016 r.

20th International Congress of the Polish Cardiac Society
Poznan, September 15-17, 2016



EDUCATIONAL SOURCES

– CONFERENCES, WORKSHOPS

WE
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- ABLATIONS (JANUARY)
 - AF – ARYTHMIX (MARCH)
 - CRT (APRIL)
 - ON SUDDEN CARDIAC DEATH (OCTOBER, DECEMBER)
 - „IN A GOOD RHYTHM” (NOVEMBER)
 - ...
-
- EUROPACE/CARDIOSTIM
 - HRS ANNUAL SESSIONS

EDUCATIONAL SOURCES - eLEARNING – POLISH CARDIAC SOCIETY

WE
ARE THE
ESC

• MULTIMEDIAL EDUCATIONAL PLATFORM

The screenshot shows a web interface for an e-learning course. At the top, there is a header with the date 'Środa 13.04.2016 16:17:24', the user name 'Przemysław Mitkowski, witaj!', and a search icon. Below the header, there are navigation links: 'PTKardio.pl', 'STRONA GŁÓWNA', 'MSN', 'O PLATFORMIE EDUKACYJNEJ', 'KURSY', 'INTERAKTYWNY KURS EKG', 'BAZA WIEDZY', 'PTK 365', and 'FAQ'. The main content area is titled 'Migotanie przedsionków' and features a red banner with the topic: 'Temat: Ablacja migotania przedsionków - wskazania, przygotowanie do zabiegu, postępowanie pozabiegowe'. A navigation bar includes 'A-', 'A', and 'A+' buttons. Below the banner, there is a section titled 'Ablacja migotania przedsionków' with a sub-heading 'Wskazania ESC/PTK 2012'. To the left of the diagram is a box labeled 'Rycina:' containing two bullet points. To the right is a flowchart diagram showing the decision process for atrial fibrillation ablation. The flowchart starts with 'Brak istotnej choroby strukturalnej serca', which branches into 'Napaadowe' and 'Przetrwale'. 'Napaadowe' leads to 'Wybór pacjenta', which then leads to 'Ablacja przeskórna'. 'Przetrwale' leads to 'Wybór pacjenta', which then leads to 'dronedaron, flekainid, propafenon, sotalol'. From 'dronedaron, flekainid, propafenon, sotalol', the flowchart branches into 'Wybór pacjenta' leading to 'amiodaron', and 'amiodaron' leads to 'Ablacja przeskórna'. There are also arrows labeled 'a' and 'b' indicating specific paths. At the bottom left, there is a reference: 'Kardiologia Polska 2012; 70, supl. IV: 197-234'. At the bottom right, there is a legend: 'AF — migotanie przedsionków; HF — niewydolność serca' and two notes: '*Najczęściej właściwym postępowaniem jest izolacja żył płucnych' and '*Może być konieczna bardziej rozległa abblacja lewego przedsionka'.

Środa 13.04.2016 16:17:24 Przemysław Mitkowski, witaj!

Przejdź do systemu PTK Członkowie

PTKardio.pl STRONA GŁÓWNA MSN O PLATFORMIE EDUKACYJNEJ KURSY INTERAKTYWNY KURS EKG BAZA WIEDZY PTK 365 FAQ

A- A A+

<<< Wróć do ekranu wprowadzającego temat

Ablacja migotania przedsionków

Wskazania ESC/PTK 2012

Rycina:

- U chorych bez choroby strukturalnej serca abblacja może być pierwszym wyborem dla chorych z postacią napaadową arytmii.
- U pacjentów z przetrwałym AF abblacja może być zalecana w przypadku nieskuteczności leczenia farmakologicznego

Brak istotnej choroby strukturalnej serca

Napaadowe Przetrwale

Wybór pacjenta

a

Ablacja przeskórna dronedaron, flekainid, propafenon, sotalol

b

Wybór pacjenta

amiodaron

AF — migotanie przedsionków; HF — niewydolność serca
*Najczęściej właściwym postępowaniem jest izolacja żył płucnych
*Może być konieczna bardziej rozległa abblacja lewego przedsionka

Kardiologia Polska 2012; 70, supl. IV: 197-234

EDUCATIONAL SOURCES - eLEARNING – INDUSTRY SUPPORT (UNRESTRICTED GRANTS)

WE
ARE THE
ESC

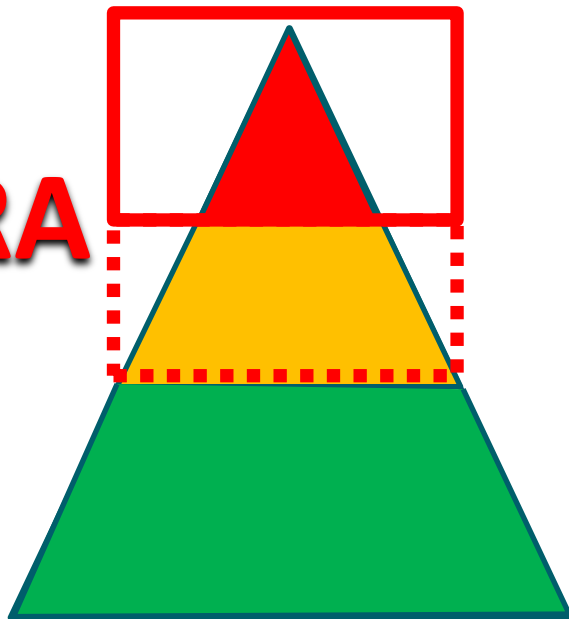
- BIOTRONIK (ELECTROTHERAPY ACADEMY)

The image shows a screenshot of the Akademia Elektroterapii website on the left and a video frame on the right. The website header features the logo 'AKADEMIA ELEKTROTERAPII' with a red ECG line and the tagline 'GDZIE TEORIA ŁĄCZY SIĘ Z PRAKTYKĄ'. Below the header are navigation tabs for 'EDUKACJA', 'DONIESIENIA', and 'KONFERENCJE I SZKOLENIA'. The main content area is titled 'AKTUALNOŚCI' and displays a news article: '13. edycja Kursu „Terapia Resynchronizująca” w Koszalinie zakończona sukcesem' dated 11 kwietnia 2016. The article text reads: 'Jak co roku polscy elektrofizjododzy spotkali się w Koszalinie, by uczestniczyć w interaktywnym kursie z...'. To the right, a video frame shows a man with a beard and a dark suit speaking, with the Akademia Elektroterapii logo and the text 'Gdzie t' visible in the background.

EDUCATION – PIRAMID OF KNOWLEDGE



EHRA



EUROPEAN & WORLD LEVEL

THEORY

NATIONAL LEVEL

THEORY & PRACTICE

PHYSICIANS

PRACTICE

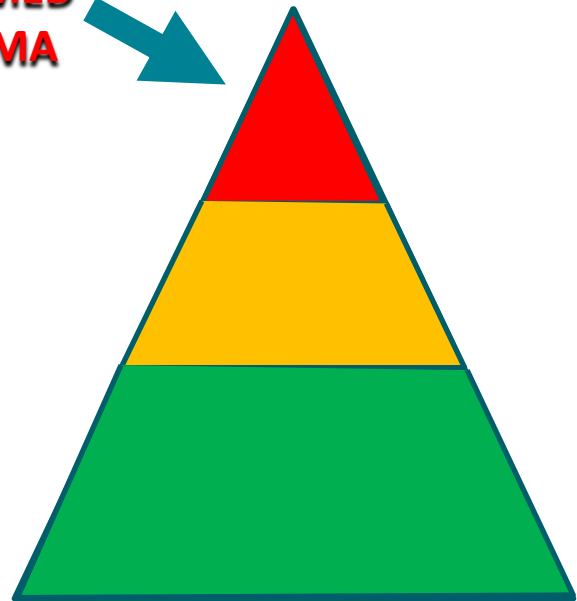


EXPERT

EDUCATION – PIRAMID OF KNOWLEDGE



**EUCOMED
INFARMA**



INTERNATIONAL CONGRESSES

NATIONAL MEETINGS

LOCAL & HOSPITAL WORKSHOPS
HANDS ON



CERTIFICATION IN CARDIAC PACING

WE
ARE THE
ESC

	EHRA	WG on HR, PCS
Specialization in cardiology		Mandatory
Letter of endorsement	+	+
Theoretical exam	+	-
Validation period	10 y	5 y
Payment	EUR 500,00	Free
Practical skills		
Implantations (Total/ICD/CRT)	100/25/30 / 2 y	100/25/30 / 3 y
FU (Total/ICD/CRT)	200/100/50 2y	200/100/50 3y

CERTIFICATION IN CARDIAC PACING - EXPERT

WE
ARE THE
ESC

	WG on HR, PCS
Specialization in cardiology	Mandatory
Letter of endorsement	+
Theoretical exam	-
Validation period	5 y
Payment	Free
Practical skills	
Implantations (Total/ICD/CRT)	300/75/90 / 3 y
FU (Total/ICD/CRT)	400/200/100 3y

CERTIFICATION IN ELECTROPHYSIOLOGY

WE
ARE THE
ESC

	EHRA	WG on HR, PCS
Specialization in cardiology		Mandatory
Letter of endorsement	+	+
Theoretical exam	+	-
Validation period	10 y	5 y
Payment	EUR 500,00	Free

CERTIFICATION IN ELECTROPHYSIOLOGY

WE
ARE THE
ESC

	EHRA	WG on HR, PCS
Practical skills:		
Procedures (Total/ablations)	(200/100) / 2 years	(200/100) / 3 years
Ablations:		
AVNRT	5-15	
AVRT	15-25	
RA tachy	5-10	70
AFI	10-25	
RVOT V	5-10	
Complex	50 (incl. 30 AF) 2 years	30 AF + 20 (VT; GUCH; ≤16yo) 3 years

CERTIFICATION IN ELECTROPHYSIOLOGY - EXPERT

WE
ARE THE
ESC

	WG on HR, PCS
Practical skills:	
Procedures (Total/ablations)	(300/300)
Ablations:	
AVNRT	
AVRT	
RA tachy	70
AFI	
RVOT V	
Complex	90 AF + 60 (VT; GUCH; ≤16yo)

ACCREDITATION OF CENTERS

WE
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	EP	CP
LEVEL 1	100 ABLATIONS/Y, FOR 2 YEARS 2 PHYSICIANS (1 OPERATOR)	100 PROCEDURES/Y, FOR 2 YEARS 2 PHYSICIANS (1 OPERATOR)
LEVEL 2	200 ABLATIONS/Y, FOR 2 YEARS (INCL. 70 AF) 2 PHYSICIANS (1 OPERATOR, 1 EXPERT)	150 PROCEDURES/Y, FOR 2 YEARS (INCL. 40 ICDs) 2 PHYSICIANS (2 OPERATORS/EXPERTS)
LEVEL 3		250 PROCEDURES/Y, FOR 2 YEARS (INCL. 70 ICDs, 40 CRTs) 2 PHYSICIANS (1 EXPERT, 1 OPERATOR/EXPERT)

CERTIFICATION NS WG & EHRA

WE
ARE THE
ESC

- **WHAT IS THE BENEFIT OF EHRA CERTIFICATE ?**
 - PRESTIGE – CONFIRMATION OF A HIGH LEVEL KNOWLEDGE & SKILLS
- **WHAT ARE DISADVANTAGES ?**
 - EXPENSIVE (€ 500,00)
 - CONDUCTED IN FOREIGN LANGUAGE
 - DOES NOT BRING ANY BENEFIT IN TERMS OF EMPLOYMENT, SALARY
 - NOT RECOGNIZED BY ANY AUTHORITY WITHIN THE COUNTRY
- **BUT STILL PHYSICIANS AND ALLIED PROFESSIONALS APPLY**

CERTIFICATION NS WG & EHRA

WE
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- **WHAT CAN BE DONE - CERTIFICATIONS?**
 - ORGANIZE EXAMS LOCALLY IN NATIONAL LANGUAGES
 - REDUCE EXAM FEE
 - ORGANIZE PREPARATORY COURSES LOCALLY
 - PROGRAMME SHOULD BE PREPARED BY EHRA
 - MATERIALS SUPPORTED BY EHRA
 - PROGRAMME SHOULD BE FOCUSED ON EXAM TOPICS
 - LIST OF RECCOMENDED MATERIAIS
- **RE-CERTIFICATION – SHOULD BE THE SAME AS INITIAL OR NOT ?**

NS WG & EHRA

WE
ARE THE
ESC




- **WHAT CAN BE DONE – IMPROVE EHRA RECOGNITION?**
 - JOINT INITIATIVES IN THE FIELD OF EDUCATION
 - INVOLVEMENT OF NATIONAL LEADERS AS SPEAKERS AND MEMBERS OF SCIENTIFIC COMMITTEES
 - JOINT SESSIONS DURING NS WG MEETINGS & EUROPACE/CARDIOSTIM
 - NS WG BOOTH DURING EUROPACE/CARDIOSTIM

NS WG & EHRA - MEMBERSHIP

WE
ARE THE
ESC

- **EHRA MEMEBERSHIP**

MEMBERSHIP FEES

Fee (Excluding / Including 20% French VAT)	 Ivory	 Silver	 Gold**
Physician	60 € / 72 €	110 € / 132 €	195 € / 234 €
Young under 35*	25 € / 30 €	85 € / 102 €	180 € / 216 €
Allied Professional: Nurse, Basic Scientist, Hospital Technician	50 € / 60 €	85 € / 102 €	180 € / 216 €

NS WG & EHRA - MEMBERSHIP

WE
ARE THE
ESC

• HFA MEMEBERSHIP

MEMBERSHIP FEES

Fee Excluding VAT / Including VAT
Cardiologists
Allied health professional: technician
Heart Failure Specialists of Tomorrow (training)
Others

MEMBERSHIP BENEFITS

Benefits	Regular	Silver	Gold	Fellow
SERVICES				
Reception of informative HFA mails	✓	✓	✓	✓
Automatic ESC membership	✓	✓	✓	✓
Access to on line EJHF		✓	✓	✓
Receive print copy of EJHF				✓
Discount Print EJHF		60 € **	60 € **	Print EJHF included in membership
Combined online & print	99 €			
Access to HFA online CME programme		✓	✓	✓
Access Congress slides		✓	✓	✓
HFA organised webinars	✓	✓	✓	✓




Fellow
40€ / 288€
40€ / 288€
40€ / 288€
40€ / 288€

NS WG & EHRA - MEMBERSHIP

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ESC

- **EHRA MEMEBERSHIP**

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REGULAR MEMBERSHIP WITH E-NEWSLETTER AS MINIMUM

EHRA & NS WG

WE
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ESC

- **WHAT SHOULD BE DONE – INDUSTRY RELATIONSHIPS?**
- **INDUSTRY:**
 - THE MAIN BENEFICIARY OF A HEALTH CARE SYSTEM
 - SHOULD BE RESPONSIBLE FOR SUPPORTING THE EDUCATION ON ALL LEVELS
- **EHRA/ESC & NS & WG**
 - ESTABLISH OWN RULES ON INDUSTRY SUPPORT OF EDUCATION BOTH ON ORGANIZATION OF EVENTS AND PARTICIPATION

FUTURE ?



DEPENDS ON US !!!