

Arrhythmias

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ESC CONGRESS 2005



EPIDEMIOLOGICAL, CLINICAL AND PATHOLOGICAL CHARACTERISTICS OF SUDDEN DEATH IN THE MEDITERRANEAN AREA (EULALIA PROJECT)

The EULALIA study determined

- epidemiological
- clinical aspects
- histopathological

121 SD victims were studied:
100 men (54 ± 15 years)
21 women (60 ± 11 years)

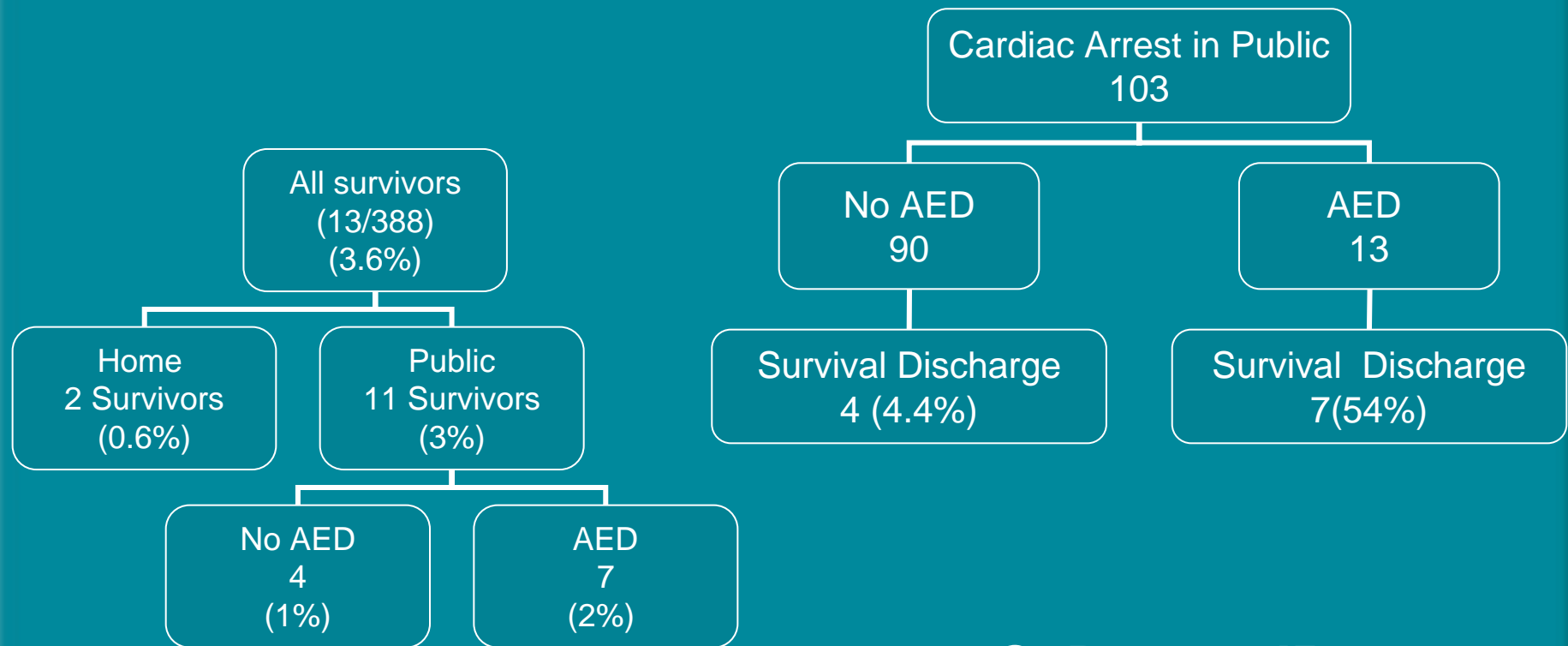
of SD victims in the Mediterranean area.

- Cardiovascular disease 109 (90%)
- Non cardiovascular 6 (5%)
- No pathological findings 6 (5%)

Coronary artery disease	60
Valvular heart disease	6
Dilated cardiomyopathy	4
Aortic dissection	4
Pulmonary embolism	3
Hypertrophic cardiomyopathy	1
ARVD	1
Congenital heart disease	2
Others	28

M. Subirana, ES, 964

Survival from out of hospital cardiac arrest : comparison of rapid defibrillation with an automatic external defibrillator with late or no defibrillation



C. Barrett, IR, 963

SOFA: Study on Omega-3 Fatty acids and ventricular Arrhythmia

A multi-center trial on fish oil and arrhythmia in ICD-patients

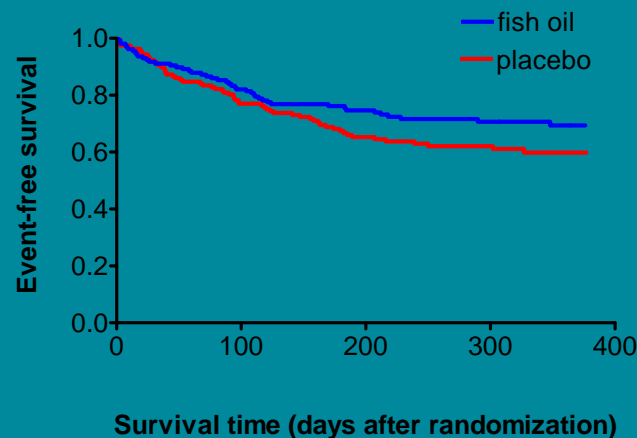
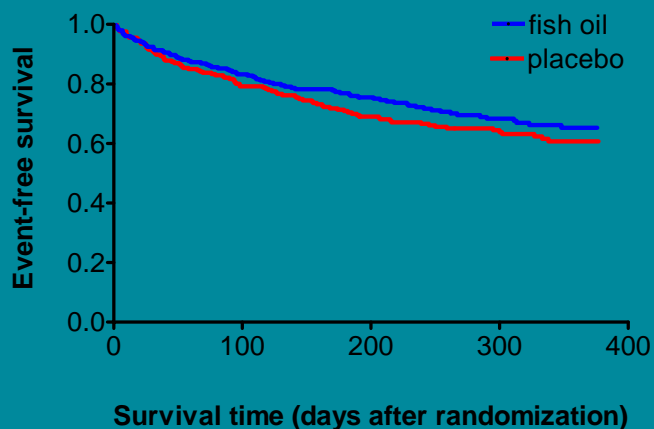
546 patients with an ICD

Fish oil (273 patients)

Placebo oil (273 patients)

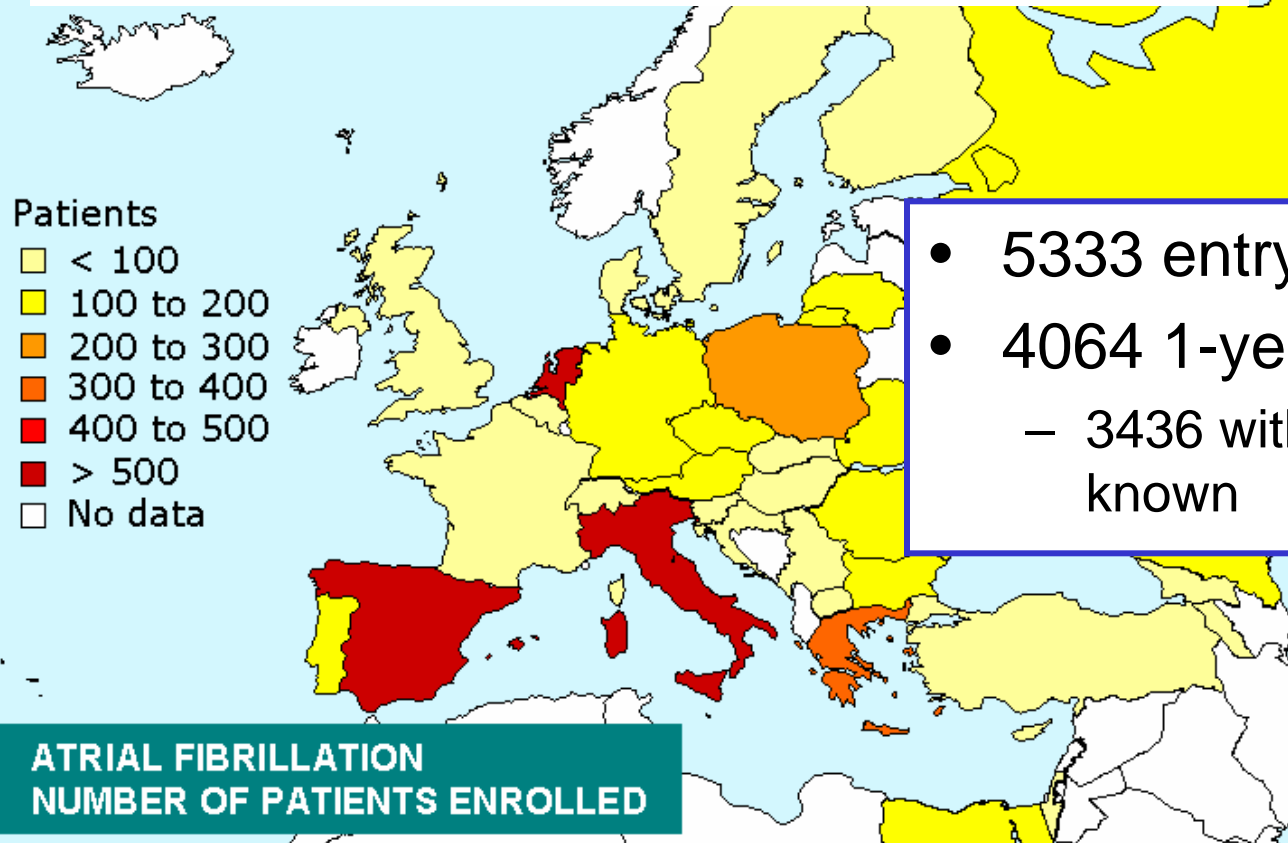
Parallel, double-blind, randomized
2 g/day fish oil: provides \pm 900 mg n-3 fatty acids equivalent to about 3-4 fish meals per week

Time to first VT/VF or death



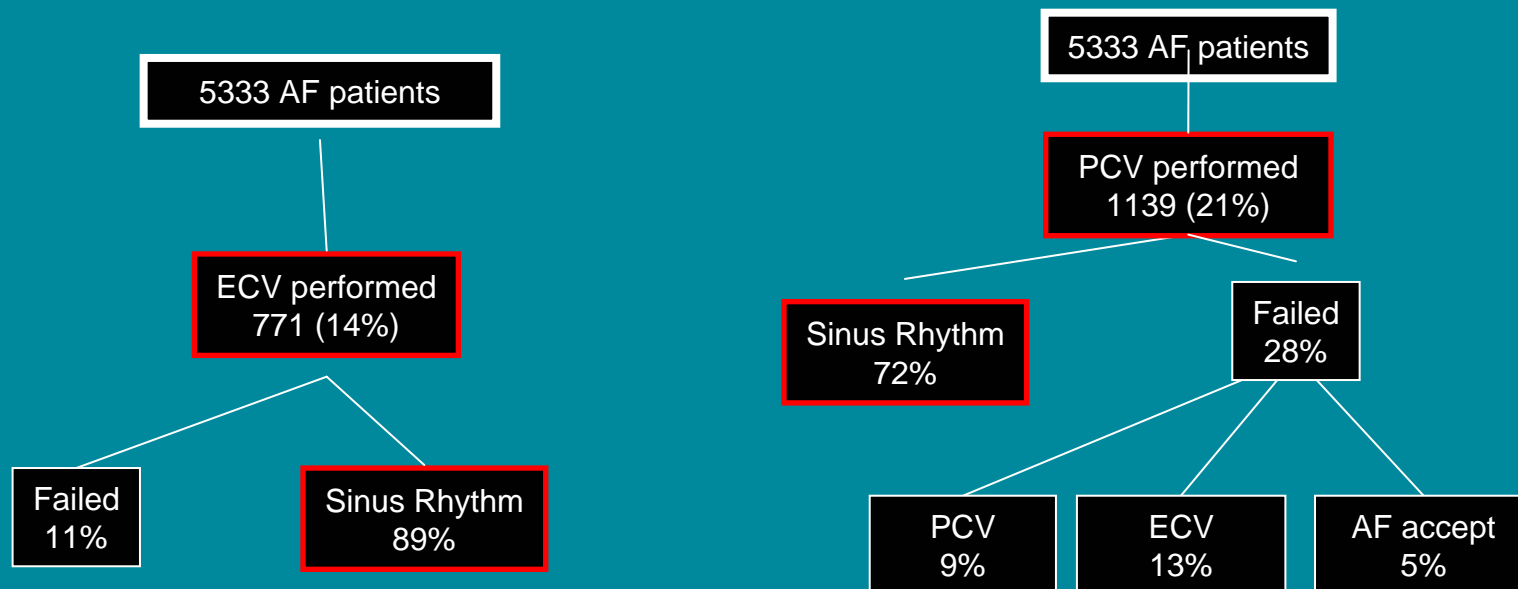
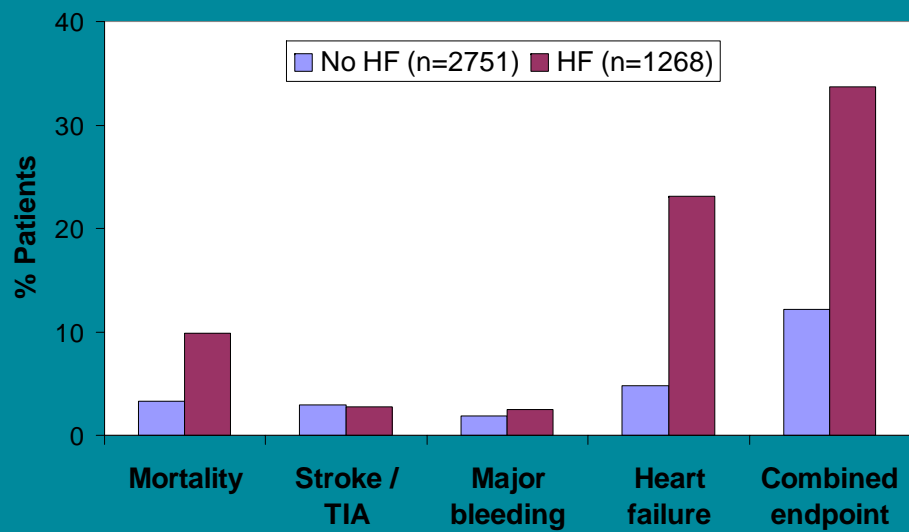
I. Brouwer, NL, 1336

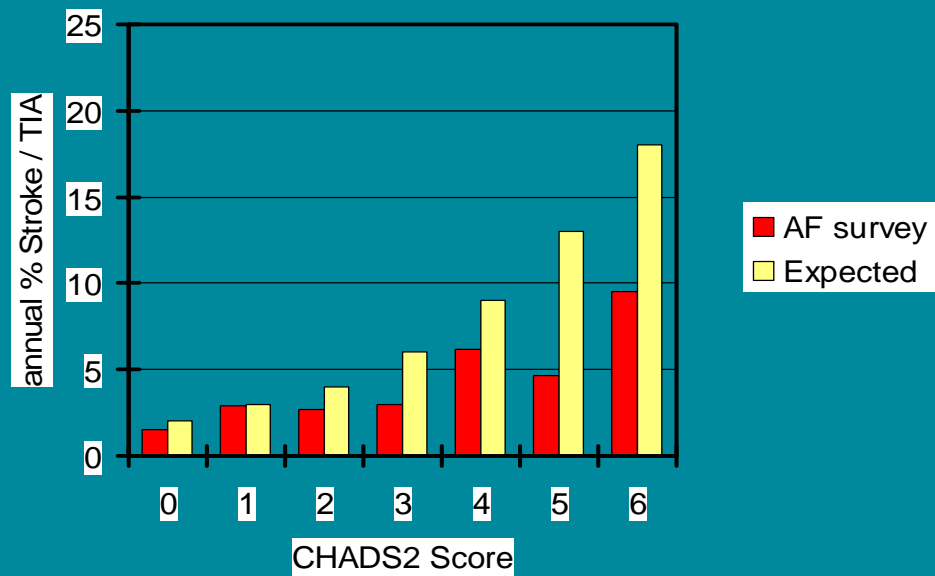
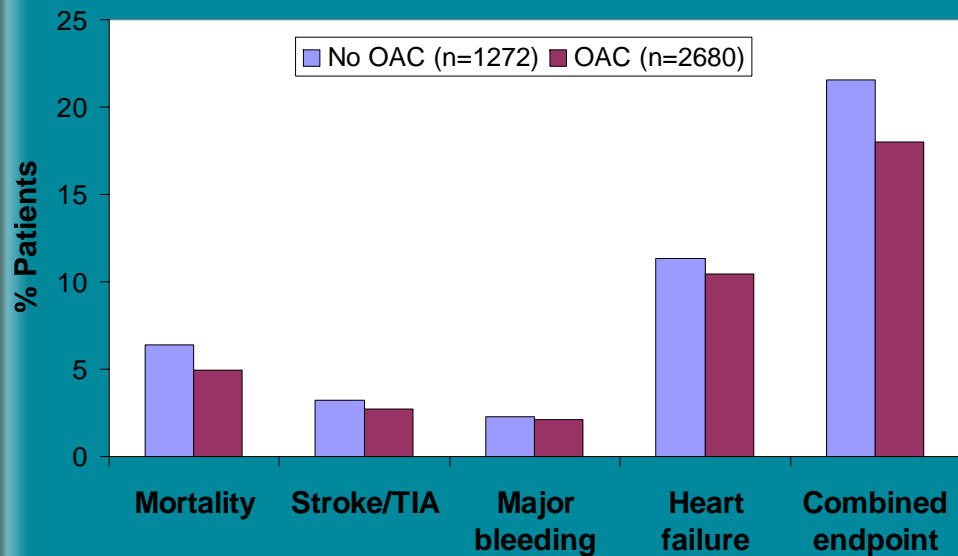
Euro Heart Survey on Atrial Fibrillation



- 5333 entry reports
- 4064 1-year reports
 - 3436 with symptom status known

B. Olsson, SE, 1920; F. Follath, CH, 1921; R. Nieuwlaat, NL, 1922; H. Crijns, NL, 1923; A. Capucci, IT, 1924





SHORT TERM RESULTS OF EURAFA (EUROpean Atrial Fibrillation Ablation) REGISTRY

- 476pts (491Abl)

Parox AF: 363pts (76%)

Single session 432 pts

Repeated 54 pts

Acute success - 92%

with 42,6% (83 pts) of recurrences :

54 (65%) treated with AAD

8 (10%) electroversion

8 (10%) ablation

12 (14%) no treatment

Ostial PV ablation 230 pts

Anatomic Ablation 246 pts

219.6 +/- 68.7 min

All complication

25/491 procedures – 5,1%

25/476 pts - 5,2%

Life-threatening complications

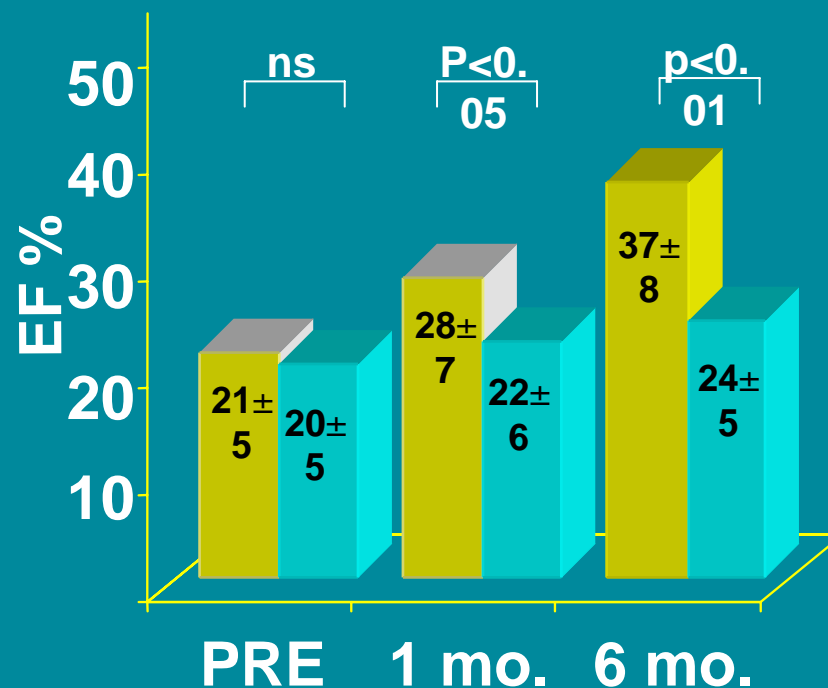
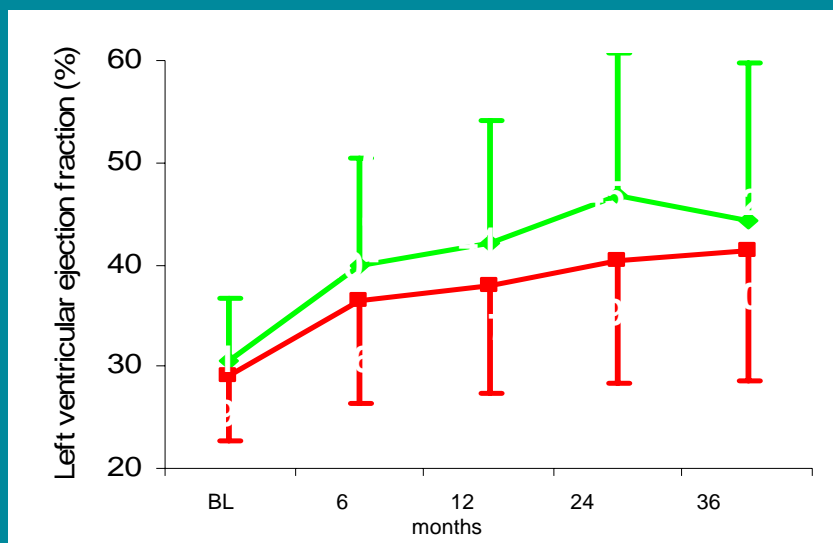
9/491 procedures – 1,8%

9/476 pts - 1,9%

E Kozluk, PL, 956

Beneficial Effects of Biventricular Pacing Also in Patients With a “Narrow “ QRS

Poor Response to CRT in Patients with Severe Right Ventricular Dysfunction



M. Gasparini, IT, 2055; G. Magrini, IT, 2052

Take home messages

- Cardiac hypertrophy might be important to recognize
- Push authorities to implement EAD's
- Fish is good, to eat, not to prevent SD
- Treat very aggressively your patients with AF and heart failure. Do not forget anticoagulation when indicated
- Ablation of AF is good, but be realistic
- Consider CRT in patients with heart failure

The ECG remains the most powerful tool for diagnosis

