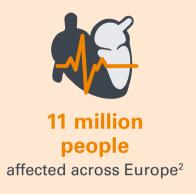
# TREATING ATRIAL FIBRILLATION (AF)

Millions of Europeans suffering from 'new millennium epidemic' may be missing out on life-saving procedure



## **WHAT IS AF?**

Atrial fibrillation (AF) is characterized by an irregular and often fast heart rhythm that results in uncoordinated contraction of the top 2 chambers of the heart (the atria)<sup>1</sup>











The seriousness of AF is critically misunderstood:

45%
OF PATIENTS

mistakenly believe it is not a lifethreatening condition<sup>4</sup> The latest guidelines recommend an integrated management strategy to:5,6





preferences



## **TREATMENT**

Treatment focuses on managing irregular heart rhythm, improving symptoms and reducing complications, with the aim of improving life expectancy and quality of life<sup>5</sup>

Patients should have a principal role in making decisions regarding their care, informed by a multidisciplinary team of:<sup>5</sup>



Cardiologists



Electrophysiologists



Non-specialist healthcare professionals: primary care physicians, registered nurses, etc



Allied health professionals: dietitians, medical technologists, etc

## TREATMENT PATHWAY<sup>5</sup>



Management of underlying cardiovascular risk factors and reducing stroke risk to improve life expectancy and quality of life



Medical procedures (e.g. electrical or pharmaceutical cardioversion) that restore a normal heart rhythm when the patient is experiencing an AF episode



Rate control therapies to control the heart rate



Rhythm control therapies, including antiarrhythmic drugs (AADs) and catheter ablation, to maintain normal sinus rhythm for the long-term

### **SPOTLIGHT:**

Rhythm control therapies – management of AF over the long-term



## **DRUGTHERAPY TREATMENT (AADS)**

#### **CATHETER ABLATION**



AADs act to suppress the firing of, or depress the transmission of abnormal electrical signals which cause arrhythmia<sup>5</sup>

Examples: Sodium channel blockers (disopyramide, quinidine, flecainide, propafenone) and potassium channel blockers (amiodarone, dronedarone, dofetilide, sotalol)<sup>5</sup>

Interventional procedure to create small scars on targeted parts of heart tissue that block the abnormal electrical signals causing the arrhythmia<sup>5-6</sup>

#### **EFFICACY**





of patients are FREE FROM ARRHYTHMIA RECURRENCE AT 1 YEAR8-17



MAY NORMALIZE RATES of mortality, stroke and dementia TOTHAT OF PATIENTS WITHOUT AF<sup>18</sup>

#### **QUALITY OF LIFE**









#### **ADVERSE EVENTS/COMPLICATIONS**











lower chance of DEATH, STROKE, CARDIAC ARREST AND CARDIOVASCULAR HOSPITALIZATION OVER 7 YEARS<sup>21,22</sup>









#### COSTS



however
CUMULATIVE
COSTS
can rise
over time

with costs increasing to

28%
ANNUALLY over 9 years<sup>23-26</sup>

PROJECTING
COSTS TO
10 YEARS AFTER
ABLATION







Patients with paroxysmal (intermittent) AF
ARE ALMOST 10X LESS LIKELY TO
PROGRESS TO PERSISTENT AF,

**if treated with catheter ablation,** than those treated with AADs (HR 0.11; 95% CI 0.025-0.483; p=0.0034<sup>27</sup>)











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