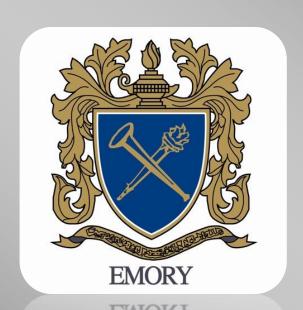
Living a Healthy, Active Life with a Diagnosis of Atrial Fibrillation.

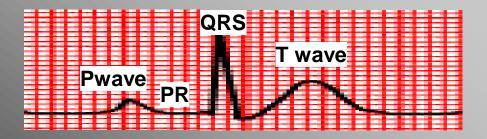


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What exactly is Afib?

Sinoatrial node **Atrial depolarization Compact AV node** Ventricular Repolarization **Ventricular Depolarization**





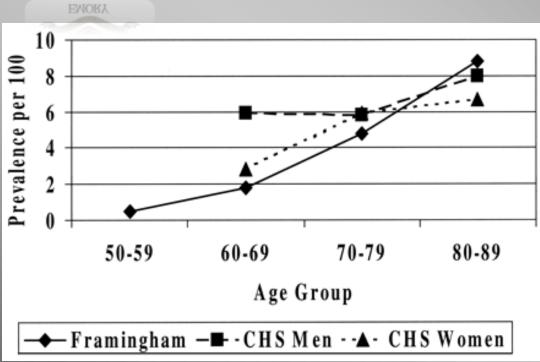
What exactly is Afib?

http://www.blaufuss.org/SVT/index2.html



Why Me?



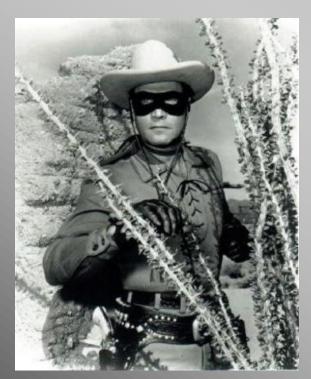


Risk factors for developing AF

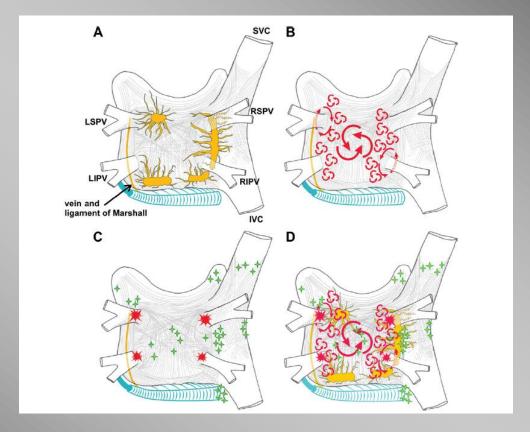
Age over 60
Alcohol
Weight
Family history
Sleep apnea
Diabetes
High Blood Pressure
Valve problems
Lung Disease
**Long distance running

THERE ARE MANY TYPES OF ATRIAL FIBRILLATION!



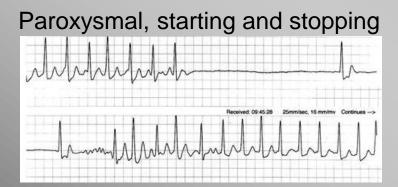


Lone atrial fibrillation, afib with no other known heart problems.





THERE ARE MANY TYPES OF ATRIAL FIBRILLATION!

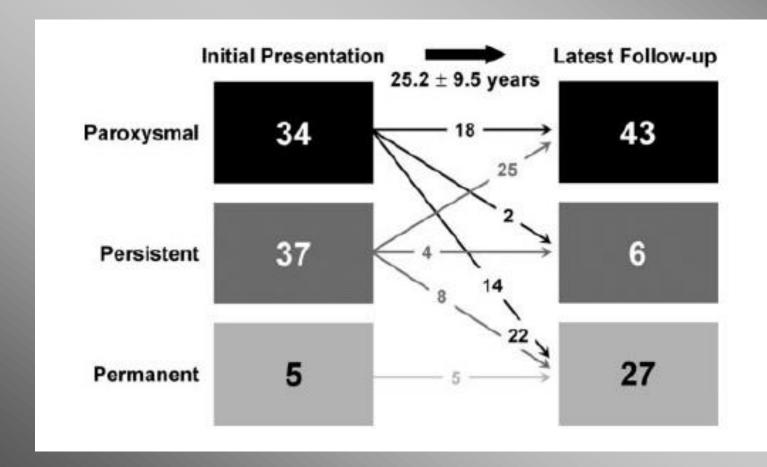




Permanent, staying there



What Does That Mean for My Life?

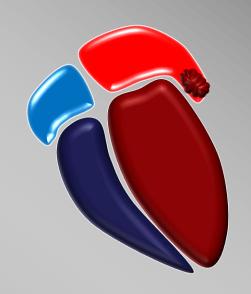


A Stepwise Approach to Living With Atrial Fibrillation

1. What's my risk for stroke?

2. Do I have symptoms?

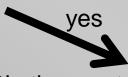






B. Do I feel better in normal rhythm?

Rate control (controlling the ventricle's response to the fibrillating atrium)



Rhythm control (trying to keep the atrium in regular rhythm

What can your doctor do?

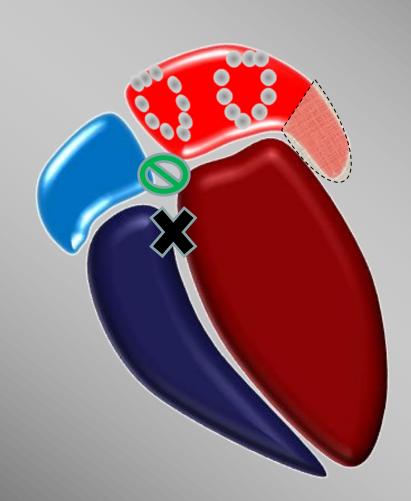


ablation

medications

pacemakers

other devices



What Can I Do To Live Healthy With Afib?

1. Weight



2. Diet/Exercise



3. Sleep



4. Education



Weight and Afib, What's the Big Deal?





Increases chance of diabetes

Increases chance of high blood pressure

Increases chance of sleep apnea

Height in Feet and Inches

Weight and Afib, What's the Big Deal?

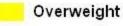
Weight in Pounds

	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250
4'	30.5	33.6	36.6	39.7	42.7	45.8	48.8	51.9	54.9	58.0	61.0	64.1	67.1	70.2	73.2	76.3
4'2"	28.1	30.9	33.7	36.6	39.4	42.2	45.0	47.8	50.6	53.4	56.2	59.1	61.9	64.7	67.5	70.3
4' 4"	26.0	28.6	31.2	33.8	36.4	39.0	41.6	44.2	46.8	49.4	52.0	54.6	57.2	59.8	62.4	65.0
4'6"	24.1	26.5	28.9	31.3	33.8	36.2	38.6	41.0	43.4	45.8	48.2	50.6	53.0	55.4	57.9	60.3
4'8"	22.4	24.7	26.9	29.1	31.4	33.6	35.9	38.1	40.4	42.6	44.8	47.1	49.3	51.6	53.8	56.0
4' 10"	20.9	23.0	25.1	27.2	29.3	31.3	33.4	35.5	37.6	39.7	41.8	43.9	46.0	48.1	50.2	52.2
5'	19.5	21.5	23.4	25.4	27.3	29.3	31.2	33.2	35.2	37.1	39.1	41.0	43.0	44.9	46.9	48.8
5'2"			21.9		the second second		5000 NO. 100									
5'4"	17.2	18.9	20.6	22.3	24.0	25.7	27.5	29.2	30.9	32.6	34.3	36.0	37.8	39.5	41.2	42.9
5'6"	16.1	17.8	19.4	21.0	22.6	24.2	25.8	27.4	29.0	30.7	32.3	33.9	35.5	37.1	38.7	40.3
5'8"	15.2	16.7	18.2	19.8	21.3	22.8	24.3	25.8	27.4	28.9	30.4	31.9	33.4	35.0	36.5	38.0
5' 10"	14.3	15.8	17.2	18.7	20.1	21.5	23.0	24.4	25.8	27.3	28.7	30.1	31.6	33.0	34.4	35.9
6'			16.3							Control of the Control			Developed the Control			
6'2"	12.8	14.1	15.4	16.7	18.0	19.3	20.5	21.8	23.1	24.4	25.7	27.0	28.2	29.5	30.8	32.1
6'4"	12.2	13.4	14.6	15.8	17.0	18.3	19.5	20.7	21.9	23.1	24.3	25.6	26.8	28.0	29.2	30.4
6'6"	11.6	12.7	13.9	15.0	16.2	17.3	18.5	19.6	20.8	22.0	23.1	24.3	25.4	26.6	27.7	28.9
6'8"	11.0	12.1	13.2	14.3	15.4	16.5	17.6	18.7	19.8	20.9	22.0	23.1	24.2	25.3	26.4	27.5
6'10"	10.5	11.5	12.5	13.6	14.6	15.7	16.7	17.8	18.8	19.9	20.9	22.0	23.0	24.0	25.1	26.1
7'	10.0	11.0	12.0	13.0	13.9	14.9	15.9	16.9	17.9	18.9	19.9	20.9	21.9	22,9	23.9	24.9

http://www.freebmicalculator.net

Underweight

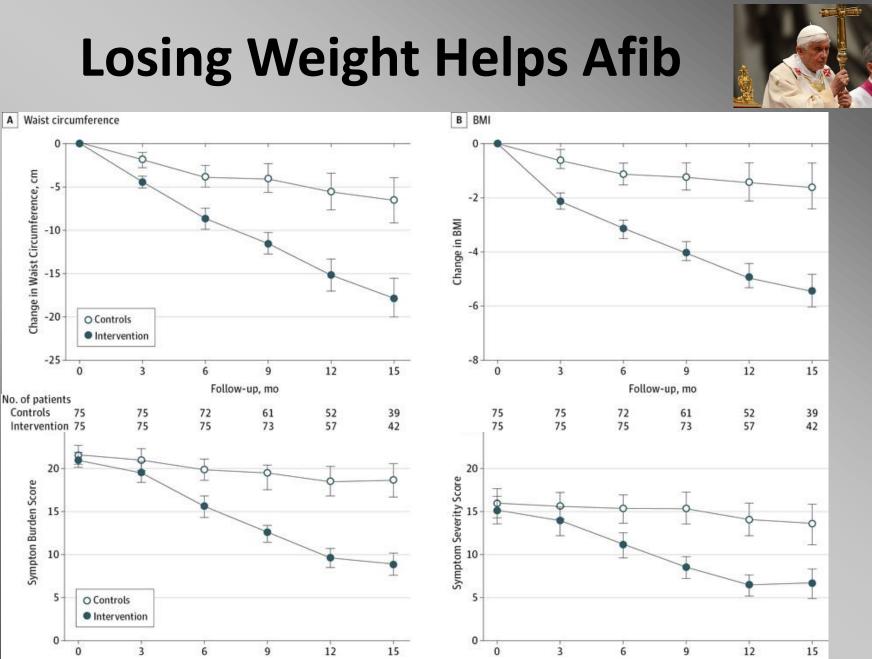






BMI Chart

BMI < 18.50	Underweight
BMI < 16.00	Severe Thinness
BMI 16.00 - 16.99	Moderate Thinness
BMI 17.00 - 18.49	Mild Thinness
BMI 18.50 - 24.99	Normal Weight
BMI 18.50 - 22.99	Lower Range
BMI 23.00 - 24.99	Upper Range
BMI 25.00 - 29.99	Overweight / Pre-Obese
BMI 25.00 - 27.49	Lower Range
BMI 27.50 - 29.99	Upper Range
BMI ≥ 30	Obese
BMI 30.00 - 34.99	Obese Class I
BMI 35.00 - 39.99	
DMI 33.00 - 39.99	Obese Class II



Follow-up, mo

Follow-up, mo

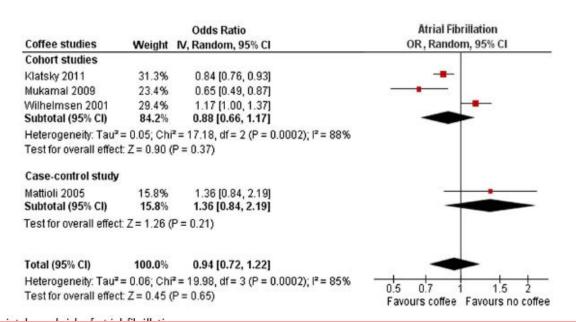
No. of patients

Intervention 75

Controls



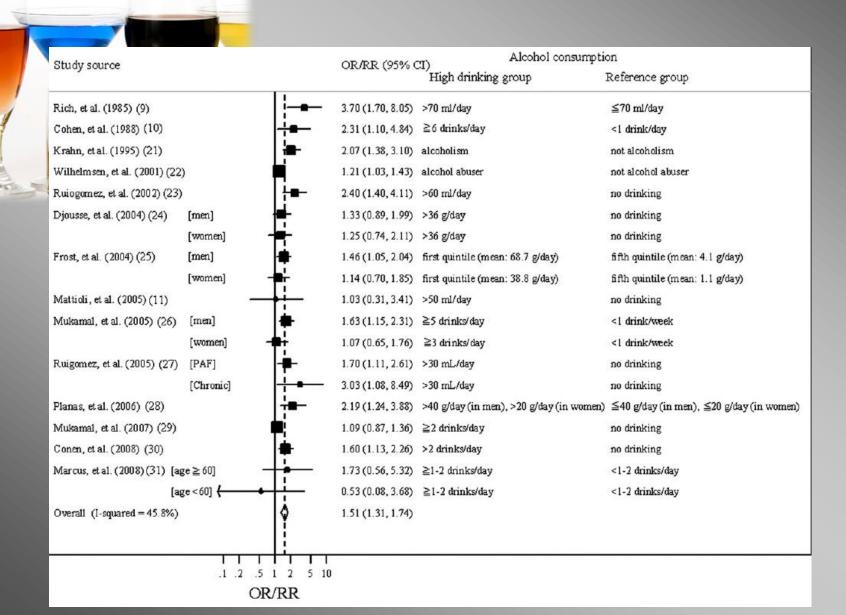
Diet and Afib



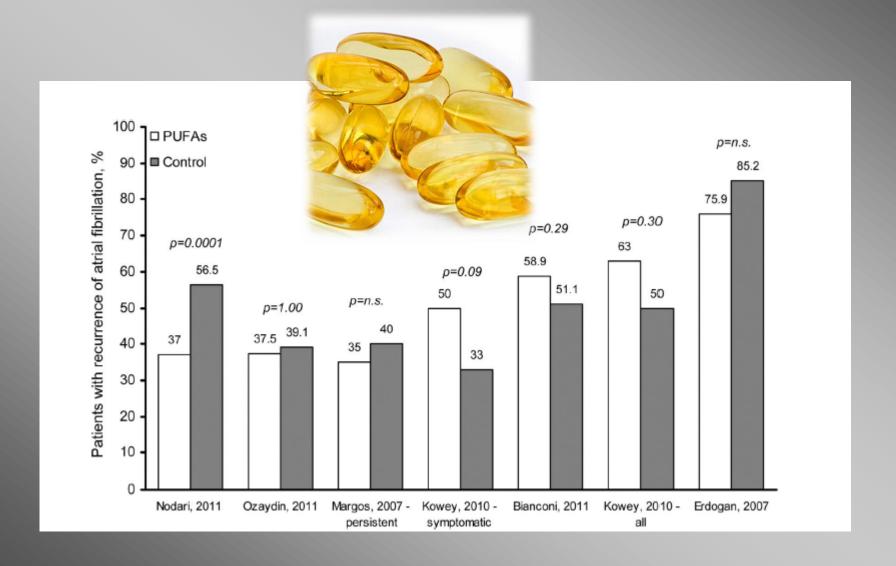
Caffeine does not increase the risk of atrial fibrillation: a systematic review and meta-analysis of observational studies

Daniel Caldeira, ^{1,2} Cristina Martins, ² Luís Brandão Alves, ² Hélder Pereira, ² Joaquim J Ferreira, ^{1,3} João Costa ^{1,4,5}

Diet and Afib

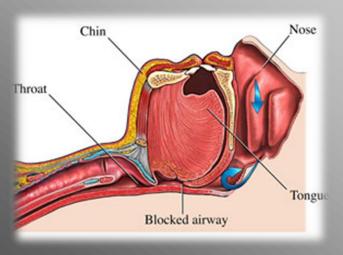


Diet and Afib



Sleep, Snoring and Afib





	Arrhythmlas Included in Each Analysis	Odds Ratio (95% CI)
Primary overall analysis	62	17.5 (5.3-58.4)
Subanalysis by armytinnia type		
PAF	15	17.9 (2.2-144.2)
NSVI	41	17.4 (4.0-75.7)
Subanalysis by sleep stage		
NREM	42	14.2 (4.2-48.0)
REM	20	*
Subanalysis by respiratory disturbance subtype		
No respiratory disturbance	18	Reference
Respiratory disturbance without hypoxia (nadir SpO ₂ ≤92%) or arousal	14	24.1 (5.4-106.6)
Respiratory disturbance with hypoxia	20	13.6 (3.7-50.6)
Respiratory disturbance with arousal	10	21.8 (4.5-106.3)

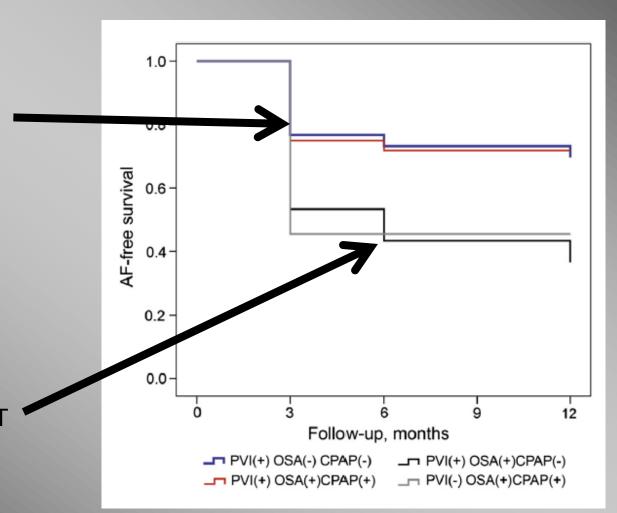
^{*}Unable to be calculated.

CI = confidence interval; other abbreviations as in Tables 1 and 2.

Sleep, Snoring and Afib

People who didn't have sleep apnea and got an Afib ablation

People who DID have sleep apnea and got an Afib ablation, but DIDN'T use cpap



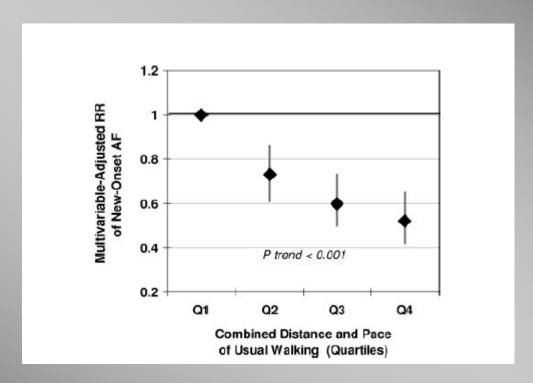
Exercise and Atrial Fibrillation



Study	Athletic population	Age (mean \pm SD, years)	Males (%)	AF in athletes (%)	AFI in athletes (%)	Relative risk (95% CI) for athletes
Pelliccia et al. ¹⁹	Elite athletes (n = 1777)	24±6	71	0.2 (all male, i.e. 0.3 in males)	0	_
Molina et al.7	Non-elite marathon runners ($n = 183$)	39 ± 9	100	4.9	0	8.8 (1.3-61.3)
	Controls (n = 290)	50 ± 13	100	0.7	0	
Wilhelm et al.23	Non-elite runners (n = 122)	42 ± 7	50	3.3 all male (i.e. 6.6 in males)	0	_
Karjalainen et al. 12	Veteran elite orienteers (n = 262)	47 ± 5	100	5.3	0	5.5 (1.3-24.4)
	Controls (n = 373)	49 ± 5	100	0.9	0	
Baldesberger et al.6	Veteran elite cyclists (n = 62)	67 ± 7	100	3.2	6.5	14.4 (0.8-261.1)
	Golfers (n = 62)	66 ± 6	100	0	0	
Grimsmo et al. ²⁴	Veteran cross-country skiers (n = 78)	69 ± 10	100	16.7	0	_

Exercise and Atrial Fibrillation





People who were more active had a lower risk of atrial fibrillation!

(Just don't over-do it.)

Educating Yourself



After 2-3 minutes of quiet sitting: 50bpm-100bpm

With exercise: <150bpm

Educating Yourself

https://www.hrsonline.org/

http://www.emoryhealthcare.org/arr hythmia/ask-experts-videosarrhythmia.html



Wrap-Up



There is more than one type of atrial fibrillation

You can help manage Afib by attention to weight, exercise, sleep, and diet

You can have a good quality of life with Afib, but keeping tabs on the pulse and your symptoms is key