

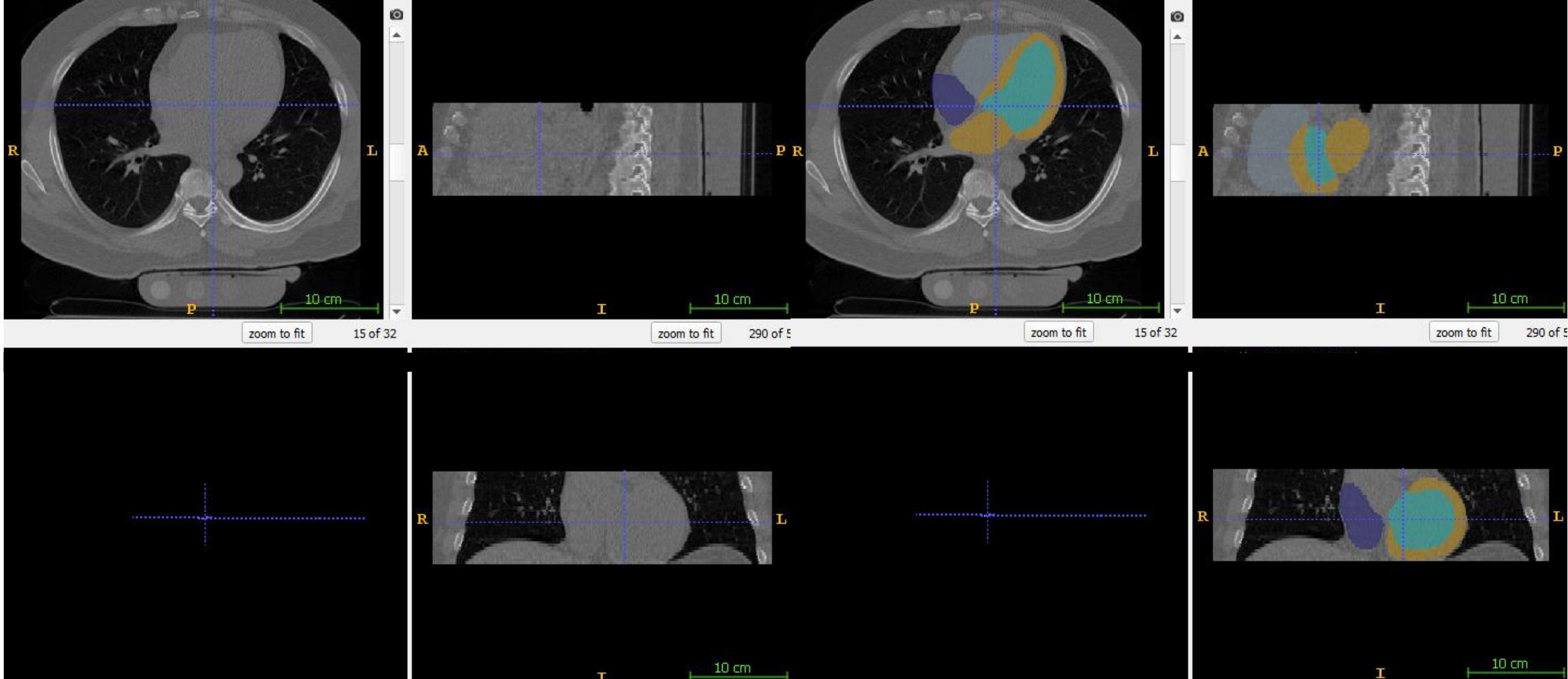
Multi-Ethnic Study of
Atherosclerosis Cases with Zero
Coronary Artery Calcium (CAC) but
Enlarged Cardiac Chambers

Reference of Average Cardiac Chamber volumes in the Multi-Ethnic Study of Atherosclerosis (MESA1) (n=5918)

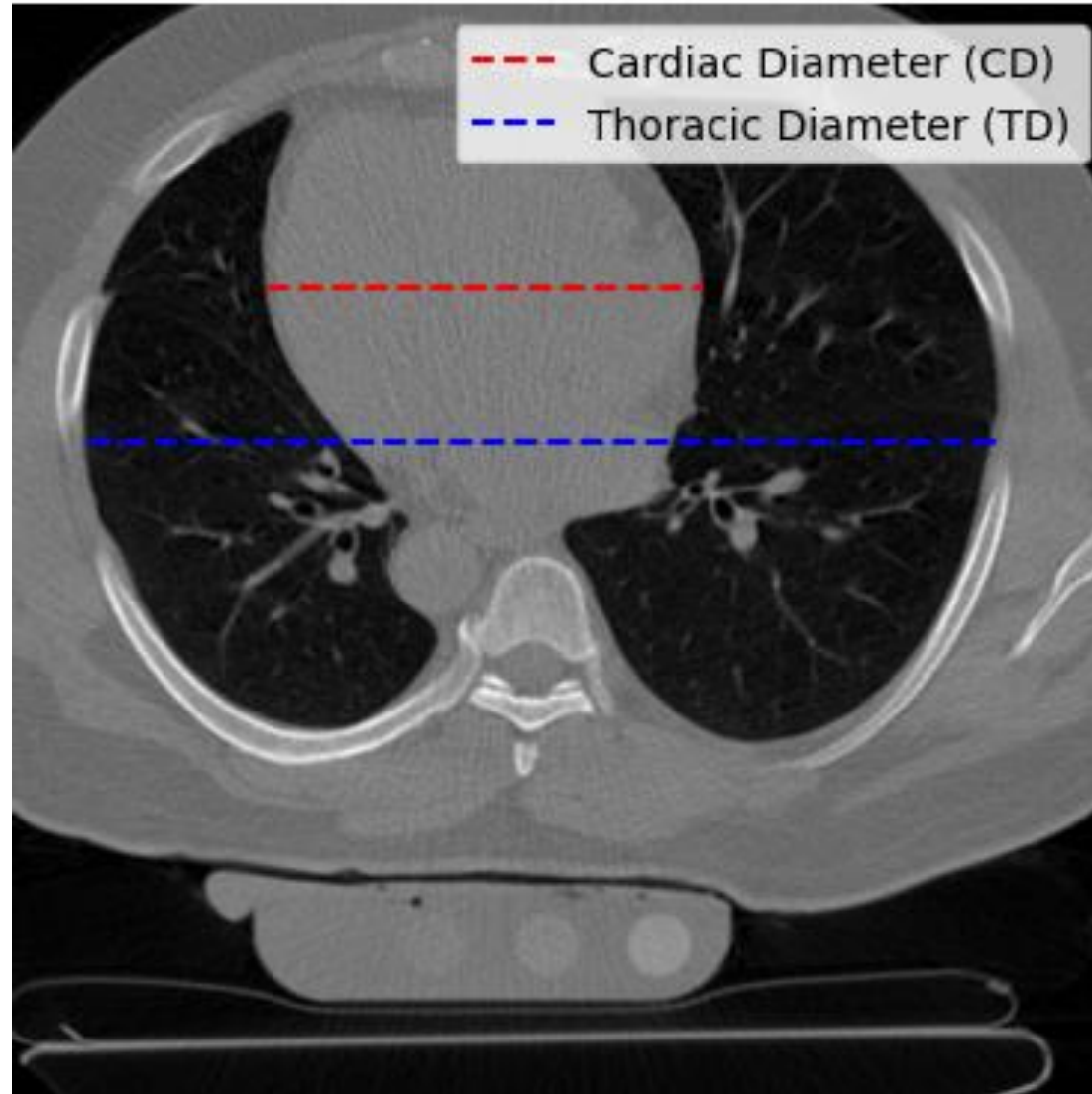
Left ventricle (LV) volume (mm ³)	102.23 ± 24.96
Left atrium (LA) volume (mm ³)	60.94 ± 15.10
Right ventricle (RV) (mm ³)	134.30 ± 34.43
Right atrium (RA) (mm ³)	76.76 ± 18.75
Left ventricle (LV) Wall volume (mm ³)	107.53 ± 26.08
Total heart volume (mm ³)	481.76 ± 108.69
Average Cardio thoracic ratio (CTR)	0.476

This case developed atrial fibrillation and heart failure at 11 and 14 years respectively from the baseline of the study. This 54-year-old male had a massively enlarged left ventricle (LV) and left atrium (LA) 3 standard deviations above the population mean but a coronary artery calcium (CAC) score of 0.

age	gender	strk	strk_yrs	chf	CHF_yrs	AFib	AF_yrs	BMD	LV	LA	RA	RV	LVMass	agatpm1c	CTR
54	1	0	14.11362081	1	11.08829569	1	14.14128969	262	198.4	94.66	91.97	230.8	209.05	0	0.48

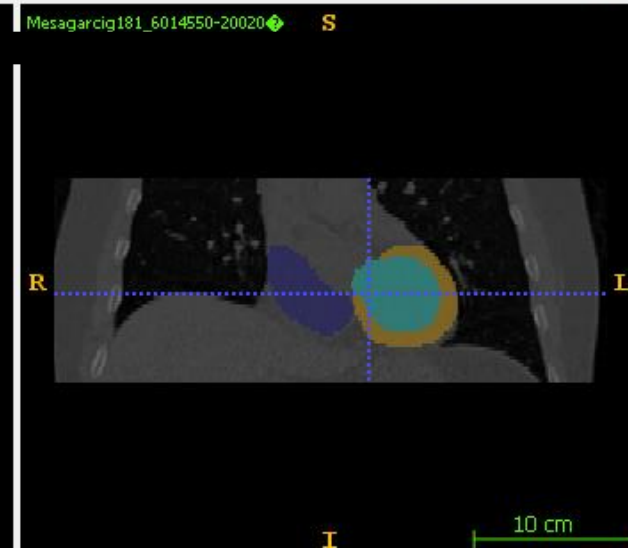
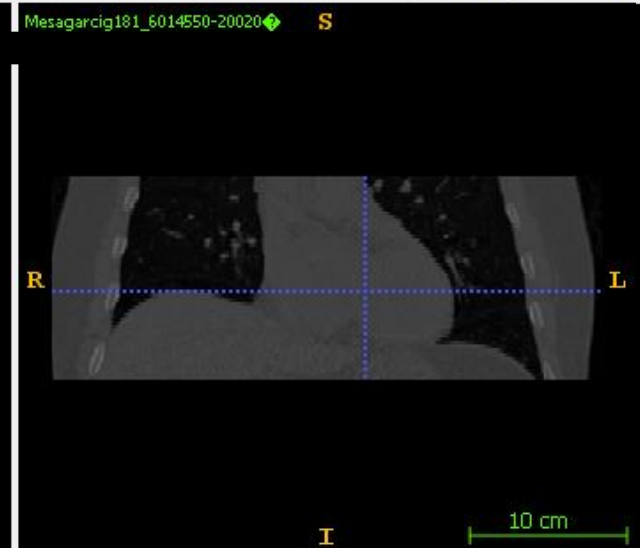
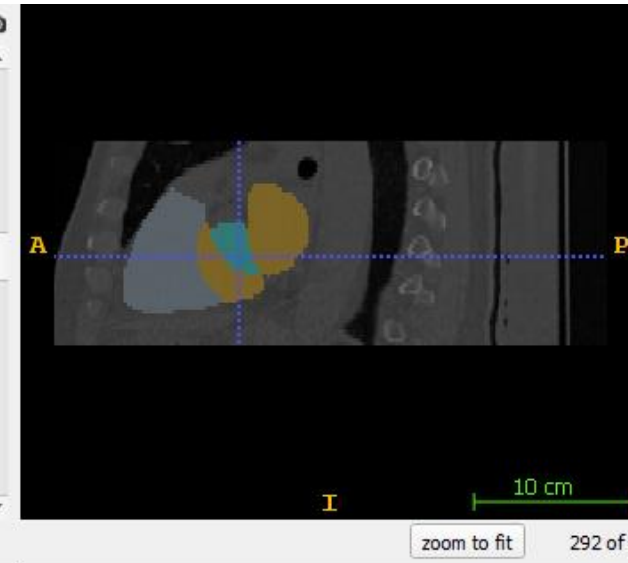
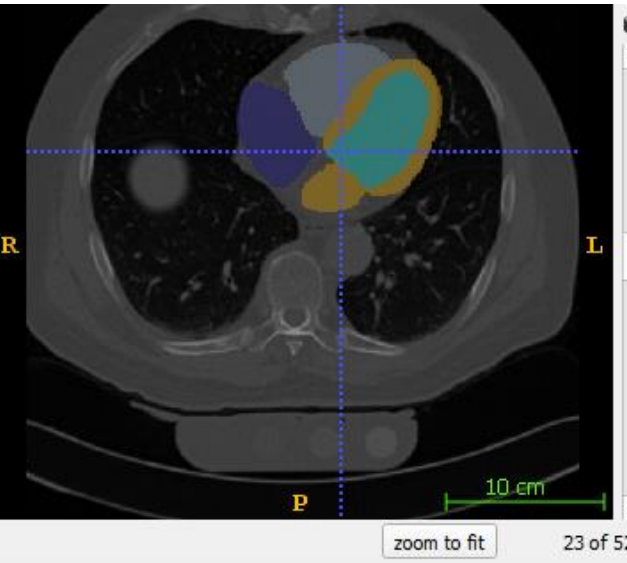
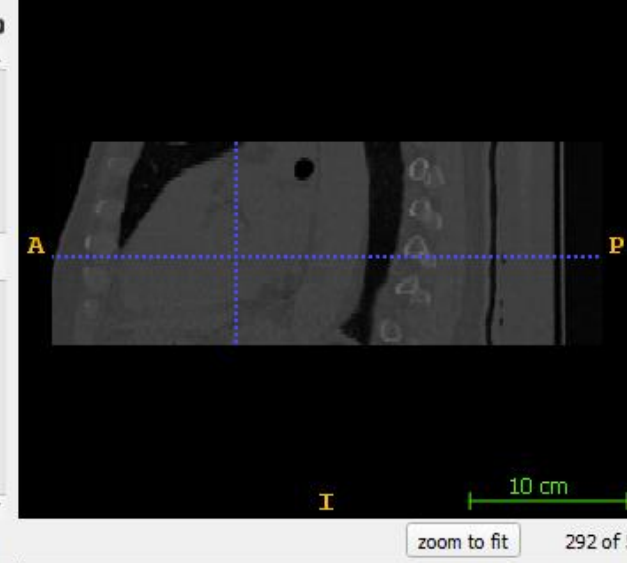
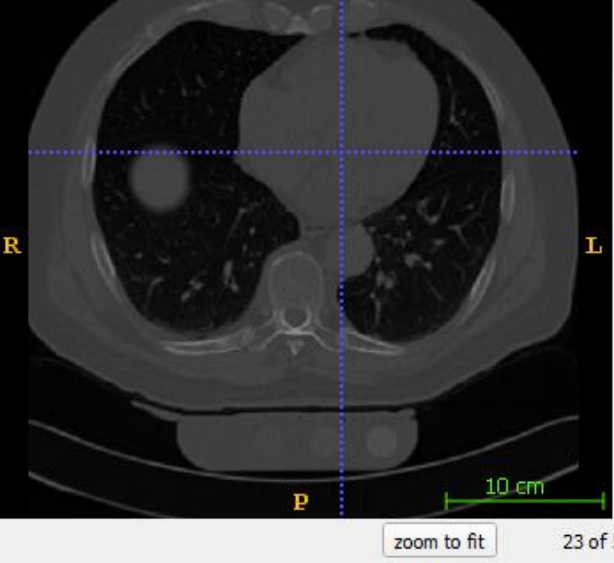


CTR: 48.1% Slice: 16

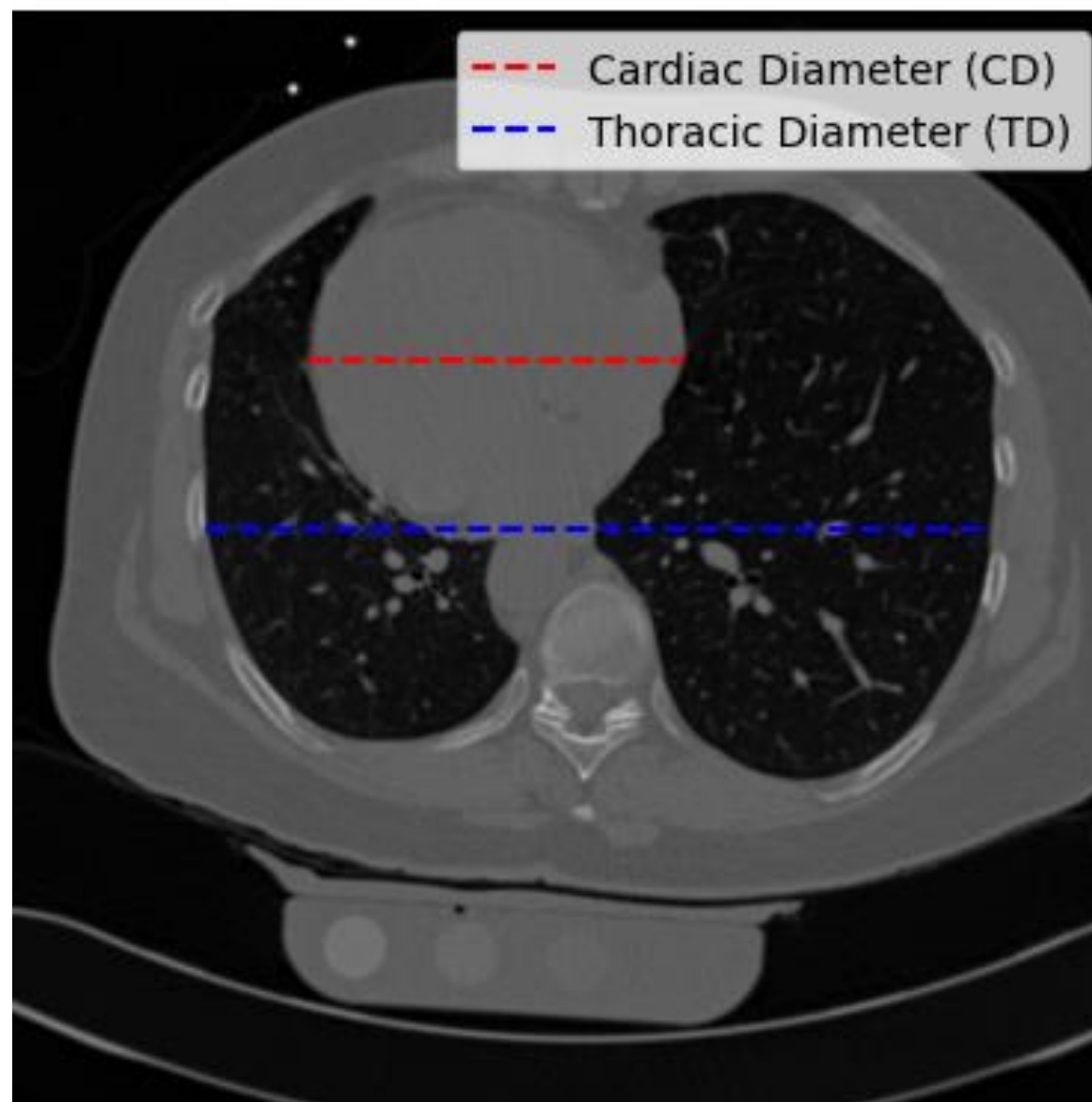


This case developed stroke, atrial fibrillation, and heart failure at 11, 9, and 9 years respectively from the baseline of the study. This 57-year-old female had an enlarged left ventricle (LV) and left atrium (LA) 1 standard deviation above the population mean but a coronary artery calcium (CAC) score of 0.

age1c	gender1	strk	strk_yrs	chf	CHF_yrs	AFib	AF_yrs	BMD	LV	LA	RA	RV	LVMass	agatpm1c	CTR
57	0	1	11.8001369	1	9.70568104	1	9.64838429	158	121.7	84.6	85.72	131.4	117.48	0	0.5

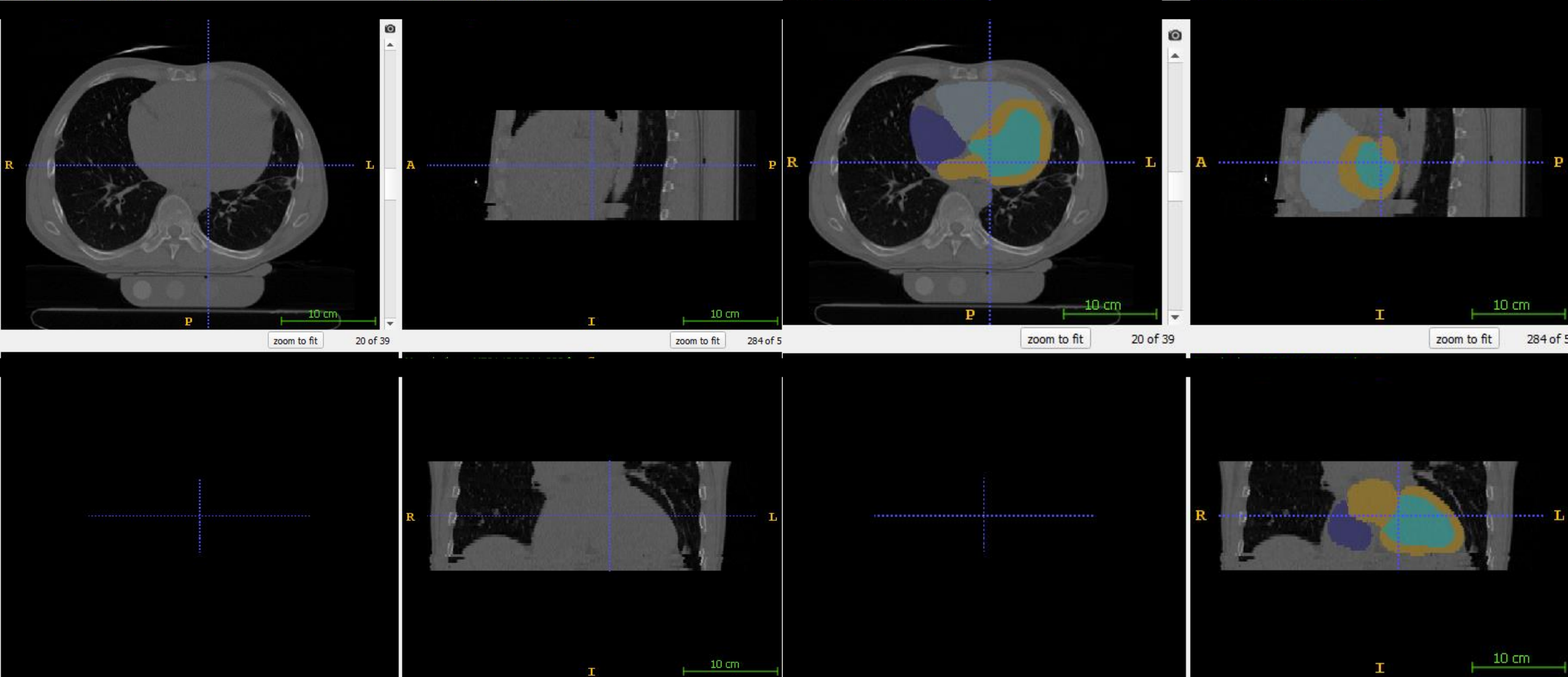


CTR: 47.7% Slice: 25

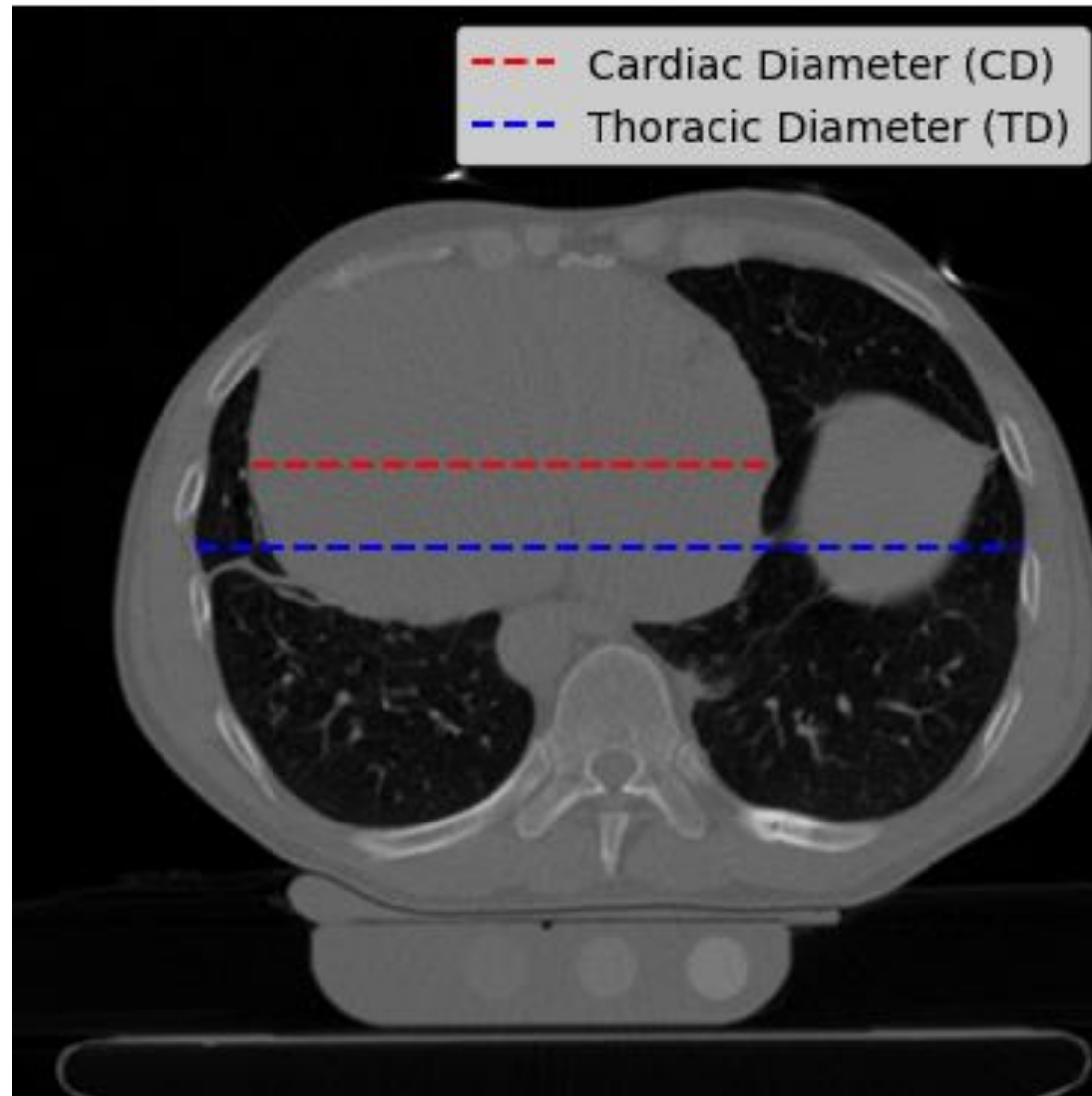


This case developed atrial fibrillation and heart failure at 9 and 10 years respectively from the baseline of the study. This 54-year-old male had a massively enlarged left ventricle (LV) and right atrium (RA) and 4 standard deviations above the population mean but a coronary artery calcium (CAC) score of 0.

Age	Gender	CHF	CHF_yrs	Stroke	strk_yrs	AFib	AF_yrs	LV	LA	RA	RV	LV Wall	BMD	CAC
53	1	1	10.39014374	0	13.7303217	1	9.667549642	193.78	58.75	186.78	332.33	179.82	102.2	0

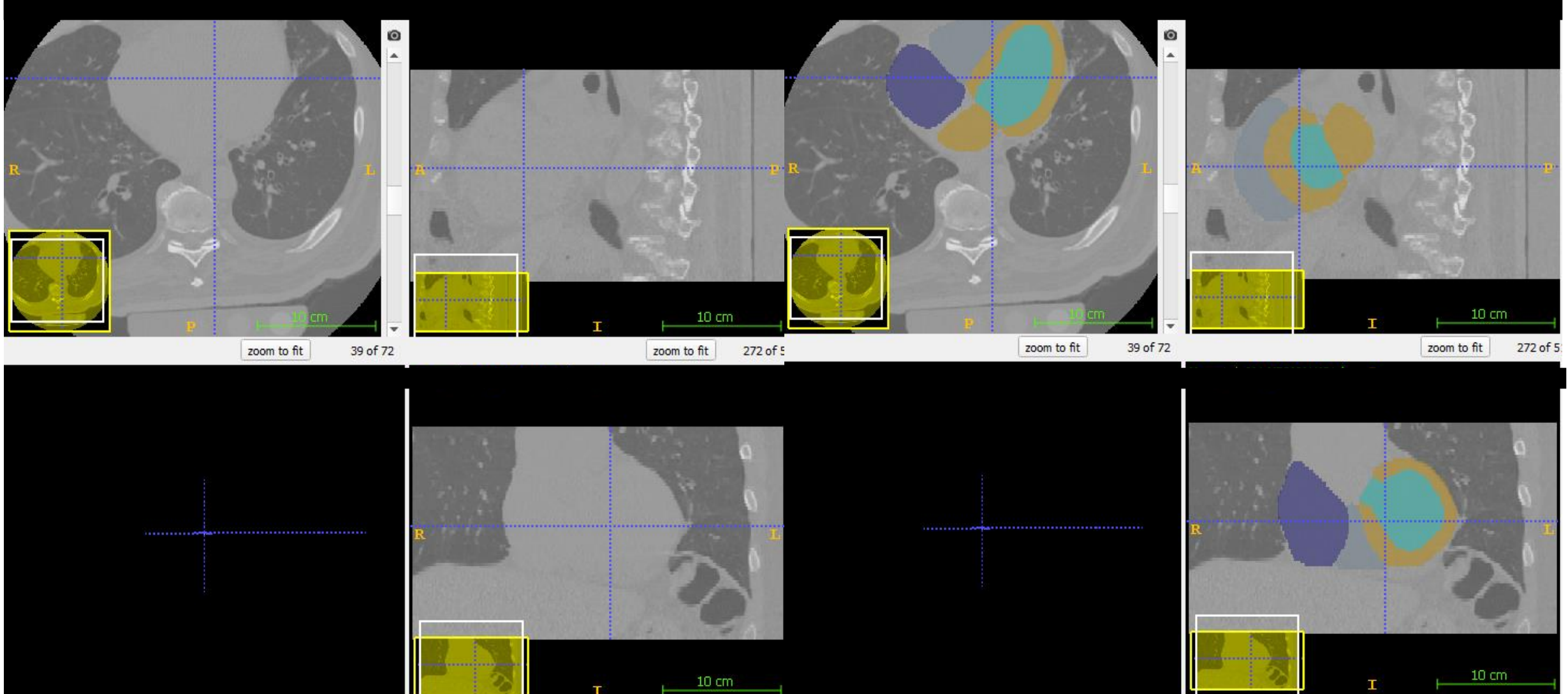


CTR: 62.3% Slice: 10

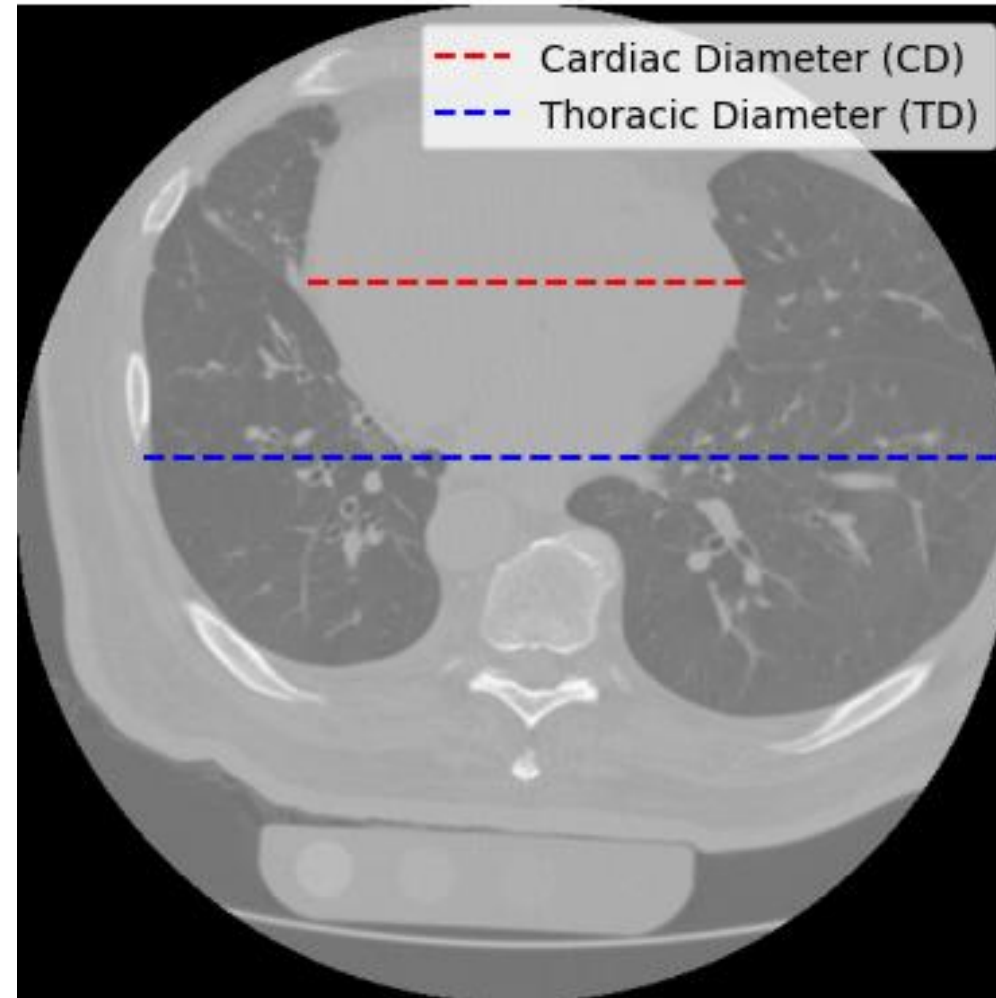


This case developed stroke, atrial fibrillation and heart failure at 3, 1, and 1 years respectively from the baseline of the study. This 78-year-old male had a massively enlarged left ventricle (LV) and left atrium (LA) 3 to 4 standard deviations above the population mean but a coronary artery calcium (CAC) score of 0.

Age	Gender	CHF	CHF_yrs	Stroke	strk_yrs	AFib	AF_yrs	LV	LA	RA	RV	LV Wall	BMD	CAC
78	1	1	0.599589322	1	2.98973306	1	0.076661396	180.68	159.12	197.52	202.71	196.69	187.2	0

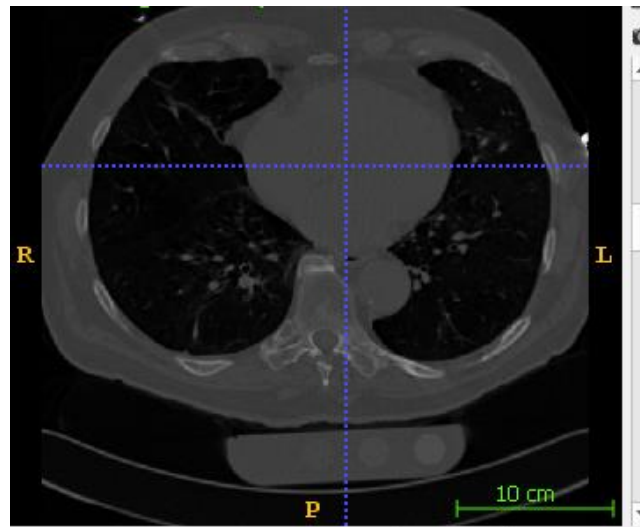


CTR: 50.2% Slice: 39

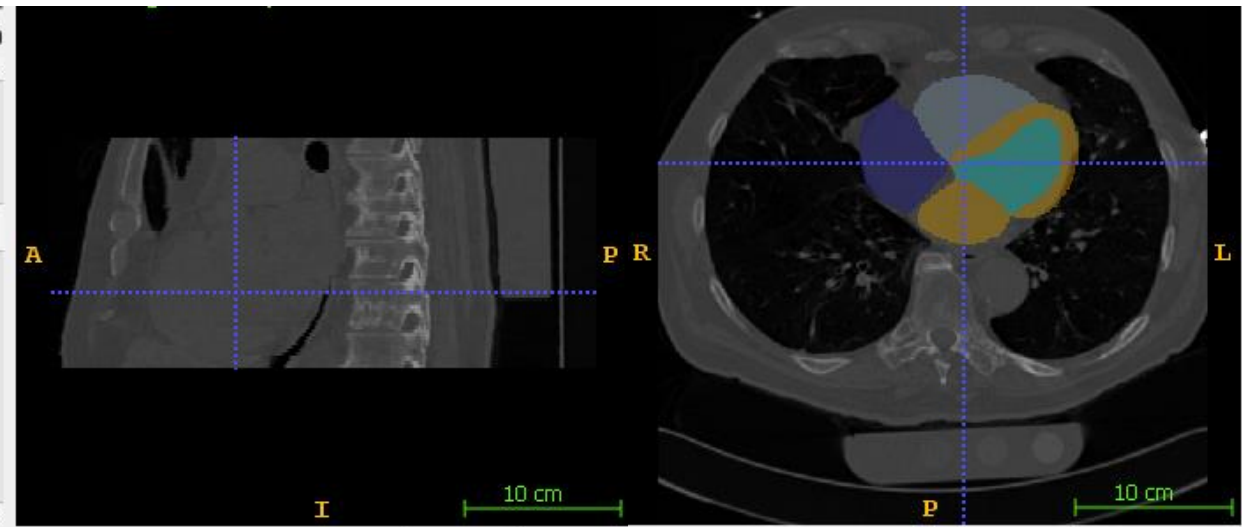


This case developed atrial fibrillation and heart failure at 3 and 9 years respectively from the baseline of the study. This 75-year-old male had an enlarged left ventricle (LV) and left atrium (LA) 1 standard deviation and 3 standard deviations above the population mean, respectively, but a coronary artery calcium (CAC) score of 0.

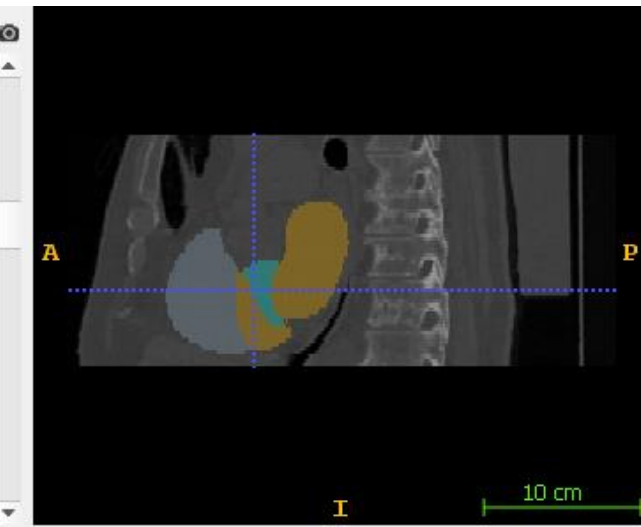
age	gender	strk	strk_yrs	chf	CHF_yrs	AFib	AF_yrs	BMD	LV	LA	RA	RV	LVMass	agatpm1c	CTR
75	1	0	9.511293634	1	9.382614648	1	3.43059748	180	119.8	112.8	149	166.4	125.93	0	



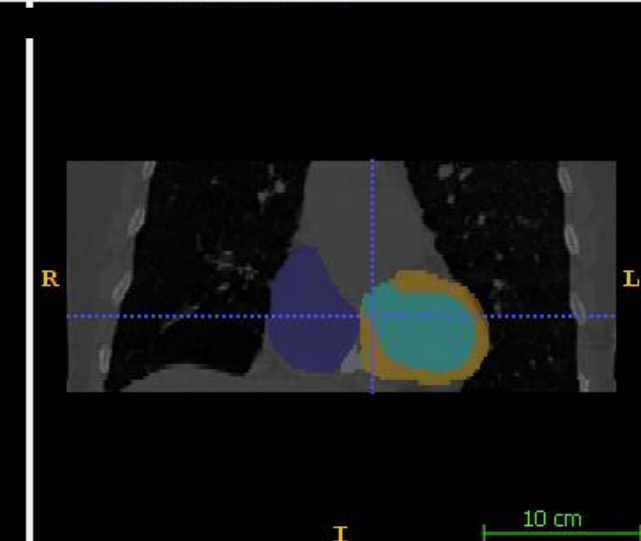
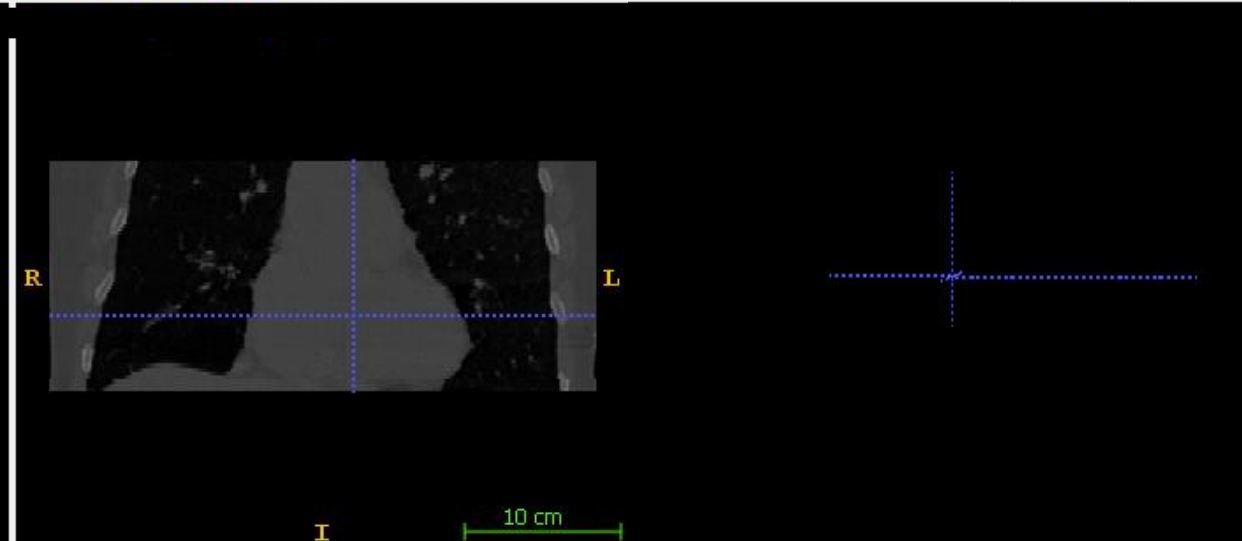
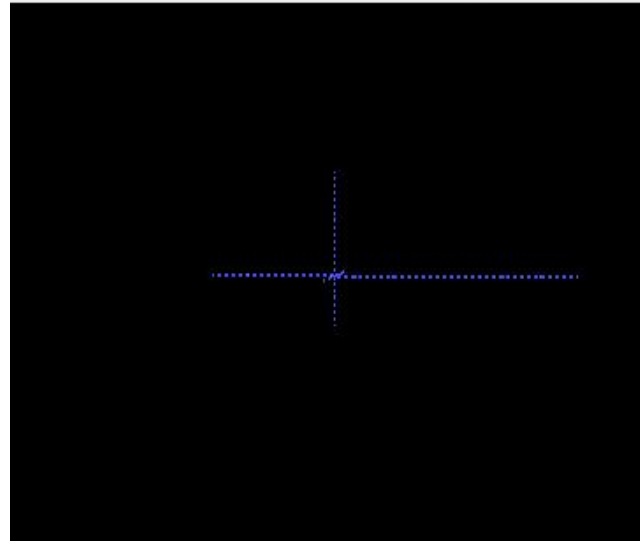
zoom to fit 20 of 59



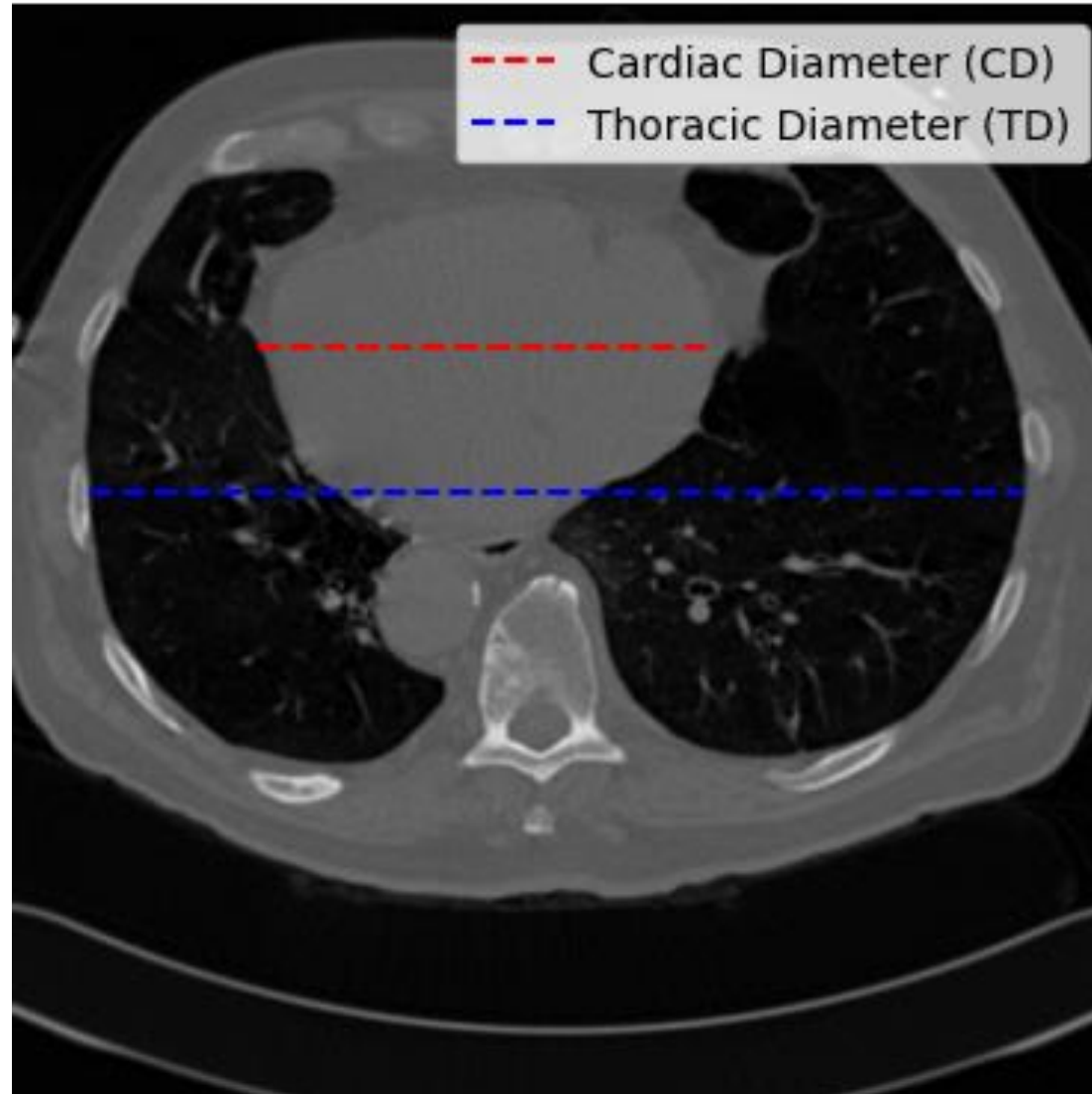
zoom to fit 285 of 5



zoom to fit 285 of 5

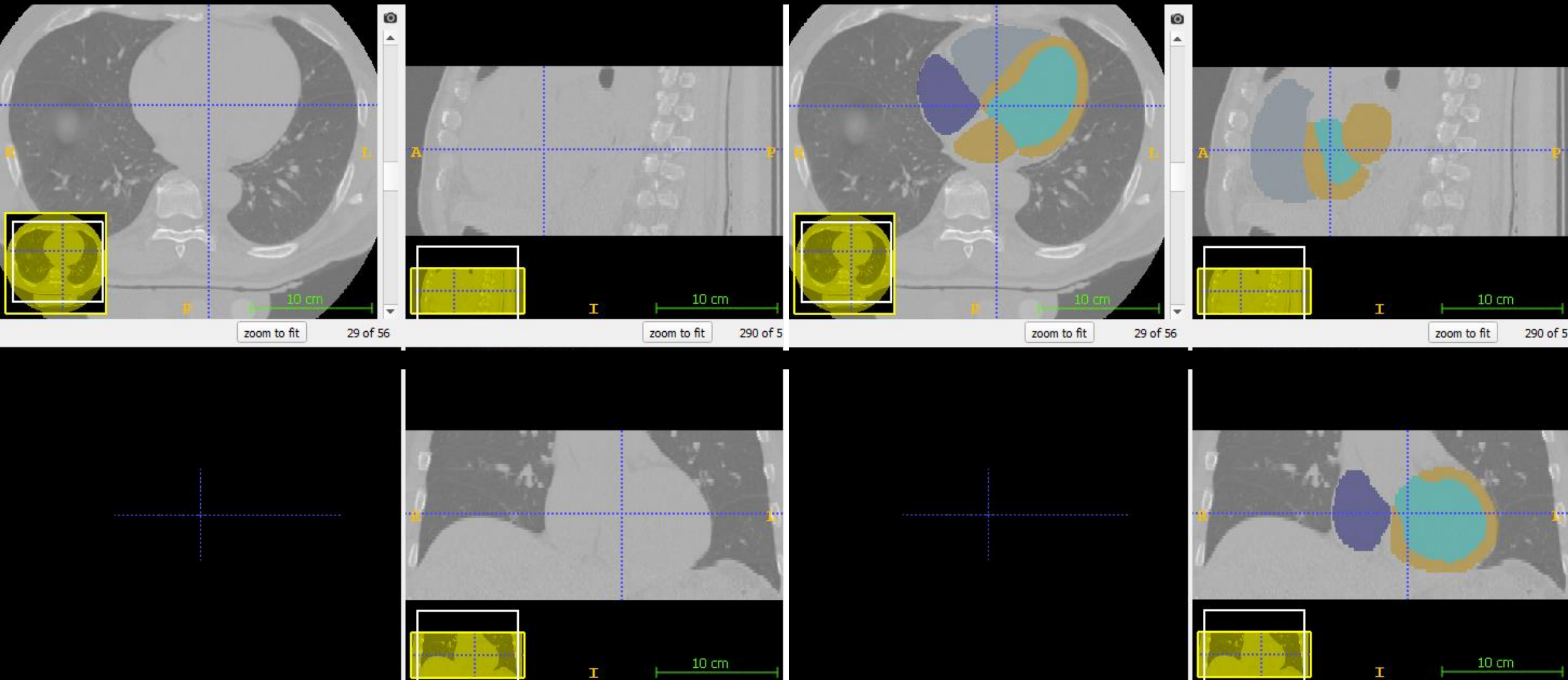


CTR: 48.7% Slice: 15



This case developed heart failure in the first year since the baseline of the study. This 71-year-old male had a massively enlarged left ventricle (LV) 4 standard deviations above the population mean but a coronary artery calcium (CAC) score of 0.

Age	Gender	CHF	CHF_yrs	Stroke	strk_yrs	AFib	AF_yrs	LV	LA	RA	RV	LV Wall	BMD	CAC
71	1	1	0.344969199	0	9.040383299	0	9.040568937	215.71	102.49	117.7	212.16	202.9	193.1	0



CTR: 49.3% Slice: 24

