List of Abbreviations

3DCRT	three dimensional conformal	LAA	left atrial appendage
	radiotherapy	LAB	left atrial body
4DCT	time resolved computed tomography	LCA	left coronary artery
AF	Atrial fibrillation	LEM	local effect model
AP	anterior-posterior	LET	linear energy transfer
AV	atrioventricular	LR	left-right
CNAO	centro nazionale di adroterapia	LV	left ventricle
	oncologica	MDACC	MD Anderson Cancer Center
COPD	Chronic obstructive pulmonary	MLC	multileaf collimators
	disease	MP	motion phase
CT	computed tomography	MRI	magnetic resonance imaging
CTV	clinical target volume	NIRS	National Institute of Radiological
CVI	cavotricuspid isthmus		Sciences
DKFZ	German cancer research center	OAR	organ at risk
DNA	deoxyribonucleic acid	PET	positron emission tomography
DSB	double strand breaks	PMMA	polymethyl methacrylate
DVH	dose volume histogram	PSI	Paul Scherer Institut
ECG	Electrocardiograph	PTV	planning target volume
FWHM	full width at half maximum	PV	pulmonary vein
GSI	GSI Helmholtzzentrum für	RA	right atrium
	Schwerionenforschung GmbH	RAB	right atrial body
GTV	gross tumor volume	RBE	relative biological effectiveness
GyE	Gray equivalent	RCA	right coronary artery
HIT	Heidelberg Ion-Beam Therapy Centre	RV	right ventricle
HU	Hounsfield unit	SA	sinoatrial
IES	iso-energy slice	SI	superior-inferior
IM	internal margin	SOBP	spread out Bragg peak
IMPT	intensity modulated particle therapy	SSB	single strand breaks
IMRT	intensity modulated radiotherapy	SVC	superior vena cava
IPV	inferior pulmonary vein	TRiP	TReatment planning for Particles
ITV	internal target volume		
IVC	inferior vena cava		
LA	left atrium		

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