

XXXIII CONGRESSO NAZIONALE AIRO

# AIRO2023

BOLOGNA,  
27-29 OTTOBRE 2023

PALAZZO DEI CONGRESSI

Radioterapia Oncologica: l'evoluzione al servizio dei pazienti



Associazione Italiana  
Radioterapia e Oncologia clinica

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## STEREOTACTIC RADIOTHERAPY (SRT) WITH SIMULTANEOUS INTEGRATED PROTECTION (SIP) PLANNING STRATEGY TO MANAGE UPPER ABDOMINAL LESIONS WITH CRITICAL OVERLAP WITH VISCERAL ORGANS: PRELIMINARY RESULTS OF A PROSPECTIVE STUDY

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BACKGROUND

Management of lesions ablated

ICRU G1 and SRT literature do not clarify

PTV (near)DMAX? PTV MEAN DOSE?  
PTV (near)DMIN?

MATERIAL AND METHODS

PR

## ONGOING: DOSIMETRIC ANALYSIS

MANDATORY DOSE CONSTRAINTS:  
D2cc <32Gy; D2cc <24Gy  
VIOLATION: OVERLAP VOLUME  
AND INTERNAL MARGIN ORGAN AT RISK:  
**US INTEGRATED PROTECTION**

OBJECTIVES

P

HIGHER VOLUME OVERLAPPED  
=  
HIGHER DOSIMETRIC TRADE OFF  
=  
LOSS IN TUMOR CONTROL?  
AND IF NOT,  
WHY?

	G3	G4
	0	1
	0	0
G3	G4	
1	0	
1	0	

RESULTS