

1. Record Nr.	UNINA9910369940703321
Titolo	Atlas of Response to Immunotherapy // edited by Egesta Lopci, Stefano Fanti
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer , , 2020
ISBN	3-030-31113-9
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (VIII, 127 p. 111 illus., 100 illus. in color.)
Disciplina	616.07548 616.079
Soggetti	Nuclear medicine Oncology Immunology Radiology Nuclear Medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	PART I BRIEF INTRODUCTION: Immunotherapy in oncology -- Evolution of response criteria -- Part II DISEASE-ORIENTED APPLICATIONS: CNS -- Thorax -- Melanoma -- Gastrointestinal -- Genitourinary -- Hematologic -- Other tumor types -- PART III PITFALLS AND IMMUNE-RELATED ADVERSE EVENTS (IrAEs) PART IV IMMUNO-PET.
Sommario/riassunto	This atlas is a concise but comprehensive guide to the diverse patterns of response to immunotherapy as observed on Positron Emission Tomography/Computed Tomography (PET/CT) and other conventional imaging modalities, including CT and Magnetic Resonance Imaging (MRI). The purpose for this publication is to fill the gap between the growing clinical relevance and utilization of immunotherapy in medical oncology, mainly based on checkpoint inhibitors, and the need for experienced imagers with reliable tools assessing response to treatment. A series of disease-oriented chapters will present the imaging findings during immunotherapy in the major oncological settings, with helpful comparison of functional (PET/CT) and morphological (CT/MRI) patterns of response in individual cases. To

complete the atlas, a dedicated chapter will focus on major pitfalls and immune-related adverse events (irAEs) affecting image interpretation during the course of immunotherapy. The concluding chapter will lastly examine the available data and potential developments of immuno-PET, which is considered as the novel frontier of research in this oncological scenario. The atlas will be of high value for radiologists and nuclear medicine specialists at all levels of experience.
