

1. Record Nr.	UNINA9910131930203321
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Titolo	Practical Raman spectroscopy [[electronic resource]] : an introduction / / Peter Vandenabeele
Pubbl/distr/stampa	Chichester, West Sussex, U.K., : Wiley, c2013
ISBN	1-119-96129-7 1-119-96190-4 1-119-96128-9
Descrizione fisica	1 online resource (163 p.)
Classificazione	SCI078000
Disciplina	543/.57
Soggetti	Raman spectroscopy - Study and teaching
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Machine generated contents note: Preface xi Acknowledgements xiii Acronyms, Abbreviations and Symbols xv About the Author xvii Introduction to Raman spectroscopy xix 1 Theoretical Aspects 1 1.1 Classical Approach 1 1.2 Selection Rule 7 1.3 Energy Levels and Group Frequencies 13 1.4 Raman Intensity 19 1.5 Raman Bandwidth 35 1.6 The General Appearance of a Raman Spectrum 37 1.7 Summary 38 Intermezzo 1.1 The Harmonic Oscillator and the Position of the Vibrational Energy Levels 6 Intermezzo 1.2 The Anharmonic Oscillator and the Position of Vibrational Energy Levels 11 Intermezzo 1.3 Raman Intensity Annotations 30 2 Interferences and Side-effects 39 2.1 Absorption 40 2.2 Fluorescence 40 2.3 Thermal Effects, Photodecomposition and Laser Ablation 43 2.4 Ambient Light and Background Radiation 44 2.5 Summary 44 3 Enhancement of the Raman Signal 47 3.1 Resonance Raman (RR) Spectroscopy 48 3.2 Surface-Enhanced Raman Spectroscopy (SERS) 48 3.2.1 Working Principle of SERS 49 (a) Chemical Enhancement 49 (b) Field Enhancement 51 3.2.2 Preparation of SERS Substrates 53 (a) Colloids 54 (b) Sputtering 55 (c) Electrochemical Production 55 (d) Etching 56 3.2.3 SERS Active Molecules 56 3.2.4 Advantages and Disadvantages of SERS 57 3.3 Summary 59 Intermezzo 3.1 The Analysis of Organic Dyes by SERS 58 4 Raman Instrumentation 61 4.1 Lasers 62 4.1.1 Classification According to Safety Category 64 4.1.2 The Operating Principle of the

Laser	65
4.1.3 Lasers for Raman Spectroscopy	71
4.2 Detectors	74
4.2.1 Single-Channel Detectors	75
4.2.2 Multi-Channel Detectors	76
4.2.3 Charge-Coupled Device (CCD) Detectors	76
4.2.4 Semi-conductor Detectors	80
4.3 Filters	81
4.4 Dispersion Systems	83
4.4.1 Systems Based on Diffraction of Light	83
4.4.2 Fourier-Transform (FT-) Systems	86
4.5 Components for Transportation of Light	88
4.6 Sample Chambers and Measurement Probes	91
4.7 Noise in Raman Spectroscopy	95
4.7.1 Noise Originating from the Sample: σ_s	96
4.7.2 Noise Originating from the Raman Instrument: σ_i	98
4.7.3 Noise Originating from the Signal Processing: σ_p	99
4.8 Summary	99
Intermezzo 4.1 The Helium-Neon laser	69
5 Raman Spectroscopy in Daily Lab-life	101
5.1 Calibration of a Raman Spectrometer	102
5.1.1 X-Axis Calibration	102
5.1.2 Y-Axis Calibration	105
5.2 Raman Spectral Post-processing	108
5.2.1 Digital Filters	109
5.2.2 Scaling	110
5.2.3 Deconvolution	112
5.2.4 Baseline Corrections	113
5.3 Interpretation of Raman Spectra of Organic Molecules	116
5.3.1 Raman Spectra of Alkanes and Cycloalkanes	120
5.3.2 Raman Spectra of Alkenes and Cycloalkenes	125
5.3.3 Raman Spectra of Aromates	129
5.4 Interpretation of Raman Spectra of Inorganic Molecules	131
5.5 Quantitative Aspects of Raman Spectroscopy	134
5.6 Fingerprinting and Spectral Searching Algorithms	137
5.7 Raman Mapping and Imaging	141
5.8 Combination with Other Techniques	145
5.9 Summary	147
Intermezzo 5.1 Micro-Raman Spectroscopy in Microbiology	107
Intermezzo 5.2 Raman Spectroscopy in a Forensics Laboratory	117
Intermezzo 5.3 Pigment Analysis with Raman Spectroscopy	132
Intermezzo 5.4 Detection of Counterfeit Medicines with Raman Spectroscopy	136
Intermezzo 5.5 Exobiology: Raman Spectroscopy Helps the Search for Life on Mars	139
Intermezzo 5.6 Direct Analysis of Precious Art Objects	144
Responses to Questions	149
Bibliography	153
Glossary of Terms	155
SI Units and Physical Constants	157
Periodic Table	163
Index	165

Sommario/riassunto

"This text offers an open-learning approach to Raman spectroscopy providing detail on instrumentation, applications and discussions questions throughout the book. It provides a valuable guide to assist with teaching Raman spectroscopy which is gaining attention in (analytical) chemistry, and as a consequence, teaching programs have followed. Today, education in Raman spectroscopy is often limited to theoretical aspects (e.g. selection rules), but practical aspects are usually disregarded. With these course notes, the author hopes to fill this gap and include information about Raman instrumentation and how it is interpreted. Provides a user-friendly text that tackles the theoretical background, and offers everyday tips for common practice Raman instrumentation and practical aspects, which are sometimes overlooked, are covered. Appropriate for students, and includes summaries, text boxes, illustrating the ideas with examples from research literature or providing background information or links with other courses. Written with an open-learning approach, this book will be ideal for use as a self-study guide or as the basis of a taught course with discussion and self-assessment questions throughout the text. Includes a comprehensive bibliography to guide the reader to more specialized texts and sources. "--

"This book is intended to be a guide to assist with teaching Raman spectroscopy"--

2. Record Nr.	UNISANNIORAV0050268
Autore	Touring club italiano
Titolo	I musei / Touring club italiano
Pubbl/distr/stampa	Milano, : Touring club italiano, 1980
Titolo uniforme	I musei
Descrizione fisica	239 p. : ill. ; 29 cm
Collana	Capire l'Italia ; 4
Disciplina	069.0945 708 708.5 709.45 945
Soggetti	PATRIMONIO ARTISTICO - CONSERVAZIONE MUSEI - Collezioni - Conservazione Musei - Italia
Collocazione	POZZO LIB.F. FRAGOLA 161 67SALA F GEO 69/4
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	A cura di Emilio Bianchi, Michele D'Innella, Marco Laurini.

3. Record Nr.	UNINA9910411941003321
Titolo	The Aneurysm Casebook : A Guide to Treatment Selection and Technique // edited by Hans Henkes, Pedro Lylyk, Oliver Ganslandt
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-319-77827-7
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (731 illus., 308 illus. in color. eReference.)
Disciplina	616.133
Soggetti	Nervous system - Radiography Interventional radiology Neurology Neuroradiology Interventional Radiology Aneurismes Neurologia Neuroradiologia Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Intro -- Preface -- Acknowledgments -- Contents -- About the Editors -- Contributors -- Part I: Cervical Internal Carotid Artery -- 1 Cervical Internal Carotid Artery Aneurysm: Spontaneous Dissection of the Cervical Internal Carotid Artery Resulting in Elong... -- Patient -- Diagnostic Imaging -- Treatment Strategy -- Treatment -- Follow-Up Examinations -- Treatment Strategy -- Treatment -- Follow-Up Examinations -- Clinical Outcome -- Discussion -- Therapeutic Alternatives -- References -- Part II: Petrous Internal Carotid Artery -- 2 Petrous Internal Carotid Artery Aneurysm: A Giant Fusiform Aneurysm, Flow Diversion, Several Treatment Sessions, Metamizole ... -- Patient -- Diagnostic Imaging -- Treatment Strategy -- Treatment -- Clinical Outcome -- Follow-Up and Subsequent Treatments -- Clinical Outcome -- Discussion -- Therapeutic Alternatives -- References -- 3 Petrous Internal Carotid Artery Aneurysm:

Endovascular Treatment with Coils and Flow Diverter Stents of a Large Petrous Inte... -- Patient -- Diagnostic Imaging -- Treatment Strategy -- Treatment -- Clinical Outcome -- Follow-Up Examination -- Treatment Strategy -- Treatment -- Clinical Outcome -- Follow-Up Examinations -- Treatment Strategy -- Treatment -- Follow-Up Examinations -- Treatment Strategy -- Treatment -- Follow-Up Examination -- Treatment Strategy -- Treatment -- Follow-Up Examinations -- Clinical Outcome -- Discussion -- Therapeutic Alternatives -- References -- Part III: Cavernous Internal Carotid Artery -- 4 Cavernous Internal Carotid Artery Aneurysm: Visual Disturbance Due to a Large Cavernous Aneurysm Presumably Causing Recurren... -- Patient -- Diagnostic Imaging -- Treatment Strategy -- Treatment -- Clinical Outcome -- Follow-Up Examinations -- Discussion -- Therapeutic Alternatives -- References.

5 Cavernous Internal Carotid Artery Aneurysm: Diplopia due to a Large Cavernous Aneurysm Causing Oculomotor Nerve Palsy -- Parti... -- Patient -- Diagnostic Imaging -- Treatment Strategy -- Treatment -- Clinical Outcome -- Follow-Up Examinations -- Discussion -- Therapeutic Alternatives -- References -- 6 Cavernous Internal Carotid Artery Aneurysm: Rupture of a Presumably Traumatic Cavernous Internal Carotid Artery Pseudoaneury... -- Patient -- Diagnostic Imaging -- Treatment Strategy -- Treatment -- Clinical Outcome -- Discussion -- Therapeutic Alternatives -- References -- 7 Cavernous Internal Carotid Artery Aneurysm: Exsanguinating Iatrogenic Internal Carotid Artery Injury During Transsphenoidal ... -- Patient -- Diagnostic Imaging -- Treatment Strategy -- Treatment -- Clinical Outcome -- Follow-Up Examinations -- Discussion -- Therapeutic Alternatives -- References -- 8 Cavernous Internal Carotid Artery Aneurysm: Large Cavernous Carotid Artery Aneurysm Causing Compression of the Internal Caro... -- Patient -- Diagnostic Imaging -- Treatment Strategy -- Treatment -- Clinical Outcome -- Follow-Up Examinations -- Discussion -- Therapeutic Alternatives -- References -- 9 Cavernous Internal Carotid Artery Aneurysm: Giant Posttraumatic Carotid Cavernous Pseudoaneurysm, Presenting with Epistaxis -- ... -- Patient -- Diagnostic Imaging -- Treatment Strategy -- Treatment -- Clinical Outcome -- Follow-Up Examinations -- Treatment Strategy -- Treatment -- Clinical Outcome -- Follow-Up Examinations -- Discussion -- Therapeutic Alternatives -- References -- Part IV: Paraophthalmic Internal Carotid Artery -- 10 Paraophthalmic Internal Carotid Artery Aneurysm: Coil Occlusion Assisted by the Comaneci Device -- Patient -- Diagnostic Imaging -- Treatment Strategy -- Treatment -- Clinical Outcome -- Follow-Up Examinations and Subsequent Procedures -- Discussion. Therapeutic Alternatives -- References -- 11 Paraophthalmic Internal Carotid Artery Aneurysm: Spontaneous Subarachnoid Hemorrhage, Blood Blister Aneurysm, Flow Diverter... -- Patient -- Diagnostic Imaging -- Treatment Strategy -- Treatment -- Clinical Outcome -- Follow-up Examinations -- Discussion -- Therapeutic Alternatives -- References -- 12 Paraophthalmic Internal Carotid Artery Aneurysm: Incidental Paraophthalmic Aneurysm of the Right Internal Carotid Artery, T... -- Patient -- Diagnostic Imaging -- Treatment Strategy -- Treatment -- Clinical Outcome -- Follow-Up Examinations -- Treatment Strategy -- Treatment -- Clinical Outcome -- Follow-Up Examinations -- Discussion -- Platelet Function Response Tests -- Acetylsalicylic Acid (ASA) -- Clopidogrel -- Prasugrel -- Ticagrelor -- Therapeutic Alternatives -- References -- 13 Paraophthalmic Internal Carotid Artery Aneurysm: Spontaneous Subarachnoid Hemorrhage Caused by the Rupture of a Paraophthal... -- Patient -- Diagnostic

Imaging -- Treatment Strategy -- Treatment -- Clinical Outcome -- Follow-Up Examinations -- Discussion -- Therapeutic Alternatives -- References -- 14 Paraclinoid Internal Carotid Artery Aneurysm: Two-Stage Treatment of a Giant Paraclinoid Internal Carotid Artery Aneurysm w... -- Patient -- Diagnostic Imaging -- Treatment Strategy -- Treatment -- Follow-Up Examinations -- Treatment Strategy -- Treatment -- Follow-Up Examinations -- Treatment Strategy -- Treatment -- Follow-Up Examination -- Clinical Outcome -- Discussion -- Therapeutic Alternatives -- References -- 15 Paraophthalmic Internal Carotid Artery Aneurysm: Non-ischemic Cerebral Enhancing (NICE) Lesions After the Endovascular Trea... -- Patient -- Diagnostic Imaging -- Treatment Strategy -- Treatment -- Clinical Outcome -- Follow-Up Examinations -- Discussion -- Therapeutic Alternatives -- References.

16 Internal Carotid Artery Aneurysm: Multiple Internal Carotid Artery Aneurysms in a Patient Presenting with Subarachnoid Hemo... -- Patient -- Diagnostic Imaging -- Treatment Strategy -- Treatment -- Clinical Outcome -- Follow-Up Examinations -- Discussion -- Therapeutic Alternatives -- References -- Part V: Ophthalmic Artery -- 17 Ophthalmic Artery Aneurysm: Flow-Induced Intracranial and Intraorbital (‘Peripheral’) Ophthalmic Artery Aneurysms, Associ... -- Patient -- Diagnostic Imaging -- Treatment Strategy -- Treatment -- Follow-Up Examination -- Clinical Outcome -- Discussion -- Therapeutic Alternatives -- References -- 18 Ophthalmic Artery Aneurysm: Subarachnoid Hemorrhage and Visual Disturbance due to a Ruptured Intracranial and Intracanalicu... -- Patient -- Diagnostic Imaging -- Treatment Strategy -- Treatment -- Follow-Up Examinations -- Clinical Outcome -- Discussion -- Therapeutic Alternatives -- References -- Part VI: Superior Hypophyseal Artery -- 19 Superior Hypophyseal Artery Aneurysm -- Giant Right Superior Hypophyseal Artery Aneurysm with Contralateral Carotid Artery Oc... -- Patient -- Diagnostic Imaging -- Treatment Strategy -- Treatment -- Clinical Outcome -- Follow-Up Examinations -- Discussion -- Therapeutic Alternatives -- References -- 20 Superior Hypophyseal Artery Aneurysm: Nickel Allergy and Autoimmune Inflammatory Syndrome (ASIA) After Flow Diverter Implan... -- Patient -- Diagnostic Imaging -- Treatment Strategy -- Treatment -- Clinical Outcome -- Follow-Up Examinations -- Discussion -- Therapeutic Alternatives -- References -- Part VII: Supraclinoid Internal Carotid Artery -- 21 Supraclinoid Internal Carotid Artery Aneurysm: Incidental Aneurysm, Flow Diverter Deployment Practicing in an 1:1 3D-Printe... -- Patient -- Diagnostic Imaging -- Treatment Strategy -- Treatment -- Clinical Outcome -- Follow-Up Examination. Discussion -- Therapeutic Alternatives -- References -- 22 Supraclinoid Internal Carotid Artery Aneurysm: Large Brain AVM of the Basal Ganglia, Intracranial Hemorrhage, Stereotactic ... -- Patient -- Diagnostic Imaging -- Treatment Strategy -- Treatment -- Clinical Outcome -- Follow-Up Examination -- Discussion -- Therapeutic Alternatives -- References -- 23 Supraclinoid Internal Carotid Artery Aneurysm: Ruptured Dissecting ICA Pseudoaneurysm, Endovascular Treatment Using a FRED,... -- Patient -- Diagnostic Imaging -- Treatment Strategy -- Treatment -- Clinical Outcome -- Follow-Up Examinations and Subsequent Procedures -- Clinical Outcome and Follow-Up -- Discussion -- Therapeutic Alternatives -- References -- 24 Supraclinoid Internal Carotid Artery Aneurysm: Giant Supraclinoid Internal Carotid Artery Aneurysm, Treatment with Extra-In... -- Patient -- Diagnostic Imaging -- Treatment Strategy -- Treatment -- Clinical Outcome -- Follow-Up Examination -- Discussion -- Therapeutic

Alternatives -- References -- 25 Supraclinoid Internal Carotid Artery Aneurysm: Acute Subarachnoid and Intraventricular Hemorrhage due to Aneurysm Rupture A... -- Patient -- Diagnostic Imaging -- Treatment Strategy -- Treatment -- Clinical Outcome -- Follow-Up Examinations -- Discussion -- Therapeutic Alternatives -- References -- 26 Supraclinoid Internal Carotid Artery Aneurysm: Giant Supraclinoid Aneurysm Treated with Telescoping p64 Flow Diverters with... -- Patient -- Diagnostic Imaging -- Treatment Strategy -- Treatment -- Clinical Outcome -- Follow-Up Examinations -- Discussion -- Therapeutic Alternatives -- References -- 27 Supraclinoid Internal Carotid Artery Aneurysm: Four Incidental Paraophthalmic and Supraclinoid Tandem Aneurysms, Treated wi... -- Patient -- Diagnostic Imaging -- Treatment Strategy -- Treatment -- Clinical Outcome -- Follow-Up Examinations. Discussion.

Sommario/riassunto

This encyclopedic reference book on the treatment of intracranial aneurysms offers a case-based approach to the subject that has the benefit of fully reflecting the highly individual technical and clinical challenges encountered in aneurysm patients. The book is structured by aneurysm location, ensuring ease of use. Readers will find solutions for most clinical situations that they may encounter. Different treatment strategies are described, highlighting their respective pros and cons in particular circumstances. The coverage encompasses both basic techniques, such as coil occlusion and parent vessel occlusion, and the latest developments, including extra- and intrasaccular flow diversion, intrasaccular flow disruption, bifurcation stenting, and hybrid procedures combining microsurgical and endovascular elements. Potential procedural complications are identified, and bail-out strategies to anticipate, avoid, and solve major issues are described. The authors are all respected experts in the field, and the book will be of value to vascular and endovascular neurosurgeons, interventional neuroradiologists and neurologists, stroke neurologists, and other practitioners at all levels of experience.
