

1. Record Nr.	UNISA996465448603316
Autore	Cypko Mario A.
Titolo	Development of clinical decision support systems using Bayesian networks : with an example of a multi-disciplinary treatment decision for laryngeal cancer / / Mario A. Cypko
Pubbl/distr/stampa	Wiesbaden, Germany : , : Springer Vieweg, , [2020] ©2020
ISBN	3-658-32594-1
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XIX, 148 p. 39 illus., 10 illus. in color.)
Disciplina	006.3
Soggetti	Artificial intelligence Computer Applications Knowledge based Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Patient-specific Bayesian Network in a Clinical Environment -- TreLynCa: A Tumor Board Decision Model for Laryngeal Cancer -- Model Validation and Tools for Guided BN Modeling -- GUI for PSBN-based decision verification.
Sommario/riassunto	For the development of clinical decision support systems based on Bayesian networks, Mario A. Cypko investigates comprehensive expert models of multidisciplinary clinical treatment decisions and solves challenges in their modeling. The presented methods, models and tools are developed in close and intensive cooperation between knowledge engineers and clinicians. In the course of this study, laryngeal cancer serves as an exemplary treatment decision. The reader is guided through a development process and new opportunities for research and development are opened up: in modeling and validation of workflows, guided modeling, semi-automated modeling, advanced Bayesian networks, model-user interaction, inter-institutional modeling and quality management. Contents Patient-specific Bayesian Network in a Clinical Environment TreLynCa: A Tumor Board Decision Model for Laryngeal Cancer Model Validation and Tools for Guided BN Modeling GUI for PSBN-based decision verification Target Groups Scientists and

students in the field of medical informatics, computer science, medicine and psychology About the Author Dr.-Ing. Mario A. Cypko completed his PhD at the Computer Science department of the University of Leipzig, Germany. He was a postdoctoral research fellow in the Human Research Office of the European Space Agency in the Netherlands. He is currently a postdoctoral research assistant at the German Heart Center Berlin, Germany.

2. Record Nr.	UNINA9910754093003321
Titolo	Malignancies of the Nasal Vestibule : A New Perspective on Classification, Staging, and Treatment / / edited by Francesco Bussu
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-32850-7
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (xi, 208 pages) : illustrations
Altri autori (Persone)	BussuFrancesco
Disciplina	616.21
Soggetti	Otolaryngology Internal medicine Surgery Radiology Otorhinolaryngology Internal Medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Functional and surgical anatomy of the nose vestibule -- Histology of nose vestibule malignancy -- Peculiar patterns of spread of nose vestibule malignancies -- Subsites in the nose, the WHO classification and the current 8th edition of AJCC/UICC TNM in the staging of nose vestibule malignancies -- Current misclassification of nose vestibule malignancies: need for the definition of nose vestibule as a subsite in the nose/paranasal cavities with a specific T classification -- Diagnostic work up of nose vestibule malignancies -- Current therapeutic options

in nose vestibule malignancies -- Surgery in nose vestibule malignancies: the demolitive phase -- Surgery in nose vestibule malignancies: the reconstructive phase -- Surgery in nose vestibule malignancies: prostheses -- External beam radiotherapy for nose vestibule malignancies -- Brachytherapy for nose vestibule malignancies: oncological results -- Brachytherapy for nose vestibule malignancies: functional results -- Implantation technique in nose vestibule malignancies: learning from rhinoseptoplasty, beyond the Paris system -- Brachytherapy for nose vestibule malignancies: treatment planning beyond the Paris system -- Combined approaches and other treatment modalities -- Managing the neck in nose vestibule malignancies -- A new standard for the treatment of nose vestibule malignancies.

Sommario/riassunto

This book provides up-to-date information on nasal vestibule malignancies, outlining the specific clinical history and pattern of spread. It also describes the flaws in TNM staging, which can be attributed to factors ranging from the anatomy to the definition of the main prognostic parameters. Nasal vestibule malignancies are associated with a peculiar oncological history, but there are also clear issues related to the reconstructive phase following ablative surgery due to the anatomic peculiarities. Such issues deeply impact the cosmetic and functional results, and hence the quality of life of surviving patients. Additionally, the book describes novel evidence on treatment outcomes for these malignancies in terms of both oncological and functional results. It proposes a new standard based on interstitial HDR brachytherapy for the primary lesion and on surgery for regional metastases. The book appeals to a wide readership, ranging from otolaryngologists, to radiation and clinical oncologists, dermatologists, plastic surgeons and maxillo-facial surgeons.
