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Plastic Surgery E-Book: 6 - Volume Set - Peter C. Neligan 2012-08-21

Fully updated to meet the demands of the 21st-century surgeon, Plastic Surgery provides you with all the most current knowledge and techniques across your entire field, allowing you to offer every patient the best possible outcome. Edited by Drs. Mathes and Hentz in its last edition, this six-volume plastic surgery reference now features new expert leadership, a new organization, new online features, and a vast collection of new information - delivering all the state-of-the-art know-how you need to overcome any challenge you may face. Renowned authorities provide evidence-based guidance to help you make the best clinical decisions, get the best results from each procedure, avoid complications, and exceed your patients' expectations. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Compatible with Kindle®, nook®, and other popular devices. Apply the very latest advances in every area of plastic surgery and ensure optimal outcomes with evidence-based advice from a diverse collection of world-leading authorities. Master the latest on stem cell therapy, tissue engineering, and inductive therapies • aesthetic surgical techniques and nonsurgical treatments • conjoined twin separation and other craniofacial surgery advances • microsurgical lymphatic reconstruction, super microsurgery, and sternal fixation • autologous lipofilling of the breast • nerve transfers in hand surgery, hand allotransplantation, and functional prosthetics • and much, much more. Easily find the answers you need with a new organization that features separate volumes covering Principles • Aesthetic • Craniofacial, Head and Neck Surgery • Lower Extremity, Trunk and Burns • Breast • and Hand and Upper Extremity, plus a more templated, user-friendly, high-yield presentation. Visualize procedures more clearly through an abundance of completely redrawn full-color illustrations and new color clinical photographs. Access the complete, fully searchable contents of each volume online, download all the tables and figures, view 160 procedural videos, and take advantage of additional content and images at www.expertconsult.com!

Photographical Analysis of Macro- and Micro-aesthetic Appearance. A Cross-Sectional Study of Iraqi Adults with Class I Normal Occlusion - Dana R. Mohammed 2018-01-23

The first sign of facial beauty was displayed in Egyptian civilization art works as they started to understand the divine or golden proportion that was known as a golden ratio which could be defined as the ratio that considered to be the most aesthetically pleasing to the human's eye and the base of countless mysteries over centuries. In the past, the cephalometric analysis represented an important tool in planning an orthodontic treatment, but today, the focus is mainly on the facial soft tissue and the dental assessment by using photographs. Despite most of the orthodontists are focused primarily on the occlusal discrepancies and mal-relations when discussing the needs of orthodontic treatment with the patients, and the patients and parents are focused mainly on the appearance, the orthodontic diagnosis and treatment planning should have a broader extent, include the occlusion, tooth shape and appearance of the face to have both excellent occlusion and excellent aesthetics, although this is quite difficult, but it is the goal that all orthodontists should pursue. This book represents a master thesis in orthodontics from the College of Dentistry-University of Baghdad/Iraq. The uniqueness of this work comes from that it is the first one that analyses the micro-aesthetic appearance to establish normative values for the Iraqi population and find out whether there is a correlation between apparent mesiodistal measurements of maxillary anterior teeth and facial measurements by an indirect method of measurement, using photographs in a sample of Iraqi population.

Anthropometry of the Head and Face in Medicine - Leslie G. Farkas 1981

Cleft Lip and Palate Management - George K. B. Sándor 2015-10-12

Cleft Lip and Palate Management: A Comprehensive Atlas—with more than 400 photographs and illustrations—provides the latest concepts about the surgical/orthodontic interrelation in cleft lip and palate treatment. Dr. Bennun and his team detail the diagnostic techniques to determine the best treatment protocols for optimal results and decreased chance of retreatment. The first part explains the principles of cleft and palate treatment, including the role of tissue engineering in craniofacial surgery. Part 2 details the aspects of primary surgical reconstruction, Part 3 discusses orthodontic treatments of cleft lip and palate, including a chapter on adult treatment, and Part 4 covers how to improve results in interdisciplinary treatment. Case presentations include results of treatment after 20-year follow up visits. Ideal for oral and maxillofacial surgeons, pediatric plastic surgeons, orthodontists, pediatric dentists, and residents in these specialties.

Pediatric Maxillofacial Surgery, An Issue of Oral and Maxillofacial Surgery Clinics - E-Book - Bruce B. Horswell 2012-08-19

A complete review of pediatric maxillofacial surgery for the oral and maxillofacial surgeon. Topics in this issue include soft tissue injuries, ear and nose reconstruction in children, facial dermatologic lesions, vascular anomalies, sino-nasal disease and orbital cellulitis, post-traumatic growth and development, cervical masses, calvarial injuries and scalp reconstruction, management of facial fractures, craniofacial dermoids, airway abnormalities and management, craniofacial fibrous dysplasia, and unusual head and neck infections.

Plastic Surgery - E-Book - J. Peter Rubin 2017-08-08

Completely revised to meet the demands of today's trainee and practicing plastic surgeon, Aesthetic, Volume 2 of Plastic Surgery, 4th Edition, features new full-color clinical photos, dynamic videos, and authoritative coverage of hot topics in the field. Editor-narrated PowerPoint presentations offer a step-by-step audio-visual walkthrough of techniques and procedures in aesthetic surgery. Offers evidence-based advice from a diverse collection of experts to help you apply the very latest advances in aesthetic plastic surgery and ensure optimal outcomes. Provides updated coverage of: Facelift - The male patient; Energy-based devices for body contouring; Autologous gluteal flaps for augmentation and preservation of gluteal contour; Buttock shaping with fat grafting and liposuction; and Essential elements of patient safety in Aesthetic Plastic Surgery, just to name a few. New volume editor J. Peter Rubin brings his expertise and know-how to all aspects of aesthetic surgery.

Craniofacial Anthropometry - John C. Kolar 1997

Rhinoplasty - Michael Brenner 2011-12-09

Rhinoplasty is one of the defining procedures of plastic and reconstructive surgery. Its roots stem from early efforts in nasal reconstruction to the emergence of modern rhinoplasty. This book describes the latest clinical and research perspectives in rhinoplasty and balances structural correction with aesthetic refinement. With treatises on rhinoplasty from a diverse set of thought leaders from around the world, the collective experience of this books' authors cover cosmetic and reconstructive approaches with a wealth of

proven and innovative approaches ranging from minor refinement to major reconstruction. This diversity reflects the inherent complexity of the art and science of rhinoplasty. Discussion of structural approaches is balanced by consideration of judicious resection and refinement. The overarching goal is to instill an understanding of the subtleties of nasal structure and how the natural complexities of nasal anatomy can be adapted to maximize both function and natural appearance.

Handbook of Anthropometry - Victor R. Preedy 2012-02-02

Anthropometry is the physical measurement of linear growth and body composition. In this handbook all facets and features of anthropometry are described. Each chapter includes applications to other areas of health and disease.

Biometrics - N. V. Boulgouris 2009-10-29

Edited by a panel of experts, this book fills a gap in the existing literature by comprehensively covering system, processing, and application aspects of biometrics, based on a wide variety of biometric traits. The book provides an extensive survey of biometrics theory, methods, and applications, making it an indispensable source of information for researchers, security experts, policy makers, engineers, practitioners, and graduate students. The book's wide and in-depth coverage of biometrics enables readers to build a strong, fundamental understanding of theory and methods, and provides a foundation for solutions to many of today's most interesting and challenging biometric problems. Biometric traits covered: Face, Fingerprint, Iris, Gait, Hand Geometry, Signature, Electrocardiogram (ECG), Electroencephalogram (EEG), physiological biometrics. Theory, Methods and Applications covered: Multilinear Discriminant Analysis, Neural Networks for biometrics, classifier design, biometric fusion, Event-Related Potentials, person-specific characteristic feature selection, image and video-based face, recognition/verification, near-infrared face recognition, elastic graph matching, super-resolution of facial images, multimodal solutions, 3D approaches to biometrics, facial aging models for recognition, information theory approaches to biometrics, biologically-inspired methods, biometric encryption, decision-making support in biometric systems, privacy in biometrics.

Aesthetic Surgery of the Facial Skeleton - E-Book - Stephen B Baker 2021-03-10

Achieve optimal results and high patient satisfaction with Aesthetic Surgery of the Facial Skeleton. Encompassing the entire field of facial skeletal contouring, this one-stop resource uses a problem-based, multidisciplinary approach to skeletal contouring of the face and adjunctive procedures that enhance results. With well-illustrated, focused coverage of all recent advances in this fast-changing area, it's an ideal reference for trainee and practicing cosmetic surgeons, maxillofacial surgeons, craniofacial surgeons, plastic surgeons, otolaryngologists, and oral surgeons. Takes a multidisciplinary, problem-based approach to aesthetic techniques for the face, highlighted by numerous clinical cases and high-quality photos. Covers every area of the field: general principles, orthognathic surgery, alloplastic implants, genioplasty, malar and mandibular recontouring, autologous fat grafting, orbital rejuvenation, forehead and upper face, and many other related topics. Provides expert guidance on diagnosis, treatment planning, technical aspects, alternative approaches, and treatment of complications. Features state-of-the-art coverage of aesthetic contouring for the transgender patient and the Asian/ethnic patient, and the use of 3D imaging in facial surgery. Includes a section on special case considerations such as facial asymmetry, post-traumatic facial restoration, face transplantation, and nonsurgical enhancement of facial shape.

Craniofacial and Maxillofacial Surgery in Children and Young Adults - Jeffrey C. Posnick 2000

This is a state-of-the-art text that delivers the basic concepts, diagnosis and management of plastic, oral and maxillofacial surgery in young adults. Authoritative coverage is presented by a world renowned expert in the field. Over 3,000 images -- including line illustrations and photographs -- support detailed discussion of: craniosynostosis, craniofacial dysostoses syndromes, craniofacial syndromes and anomalies, congenital growths, benign and malignant head and neck tumors, trauma injuries, the cleft lip and palate. Details the authors preferred operative approaches for the manof the whole range of paediatric cranio- and maxillofacial surgical procedures Includes all of the basic science information that surgeons need to know, including morphology, genetics, tissue engineering, and distraction osteogenesis. Presents discussions of fundamental concepts and future directions in paediatric oral, maxillofacial and reconstructive surgery, authored by select international contributing experts. Features over 3000 photographs depicting patients

pre- and post-operatively and key operative techniques.

Facial Plastic and Reconstructive Surgery - Hade Vuyk 2012-12-11

Facial Plastic and Reconstructive Surgery is a comprehensive and practical guide to performing facial surgical procedures, and contains a balance of aesthetic and reconstructive procedures that mirrors typical European practice. It has arisen as an initiative of the European Academy of Facial Plastic Surgery (EAFPS), and in accordance with this status is a comprehensive book that gives a complete update on the speciality as it is practised in Europe. The contributors have many years of clinical practice as well as research experience in facial plastic and reconstructive surgery. The book's practical 'how-to' style is amply supported with excellent line illustrations and colour photographs, and serves as a comprehensive reference for surgeons in clinical practice as well as in training. Each chapter is structured within a uniform framework to increase the accessibility of the text, and in this way improves the book's utility as a textbook for trainees.

Atlas of Facial Implants E-Book - Michael J. Yaremchuk 2019-08-23

Over the past decade, tremendous innovations in technology, clinical applications, and implant design have transformed the field of facial implant surgery, leading to improved outcomes and greater patient satisfaction. The highly anticipated 2nd Edition of Atlas of Facial Implants, led by renowned plastic surgeon Dr. Michael J. Yaremchuk, brings you fully up to date with these changes, offering authoritative coverage of both aesthetic and reconstructive applications of alloplastic implants for recontouring the craniofacial skeleton. Provides step-by-step descriptions of each procedure enhanced by hundreds of color illustrations and color photographs depicting preoperative, intraoperative, and postoperative views. Reviews indications for implant use, patient evaluation, and surgical planning, as well as pearls and pitfalls throughout. Discusses Computer-Aided Design (CAD)/Computed-Aided Manufacture (CAM) for both cranial reconstruction (cranioplasty) as well as aesthetic applications. Features new coverage of facial implants as an important adjunct in rejuvenative aesthetic surgery, as well as their role in refining orthognathic surgical procedures, surgical treatment of Graves' disease, and facial skeletal augmentation. Provides access to procedural videos depicting post orthognathic irregularities and imbalances, functional cranioplasty, and more.

THE HUMAN SKELETON IN FORENSIC MEDICINE - Mehmet Yasar Iscan 2013-09-01

This classic in forensic anthropology has been thoroughly updated and greatly expanded for the new Third Edition. The result presents the state of the medicolegal art of investigating human skeletal remains. The third edition follows more than 25 years after the second edition. During this time, considerable changes occurred in the field and Forensic Anthropology became a distinct specialty in its own right. Included in the book are detailed discussions on crime scene investigation, including excavation techniques, time interval since death, human or animal remains, mass graves, and preparation of remains. Existing chapters, all dramatically revised, bring readers in line with the current concepts of skeletal age; determination of sex; assessment of ancestry; calculation of stature; factors of individualization; superimposition and restoration of physiognomy. There is also a section on dental analysis examining such topics as dental anatomy, nomenclature, estimation of age in subadults and adults, determination of sex and ancestry, and pathological conditions. New additions are chapters on skeletal pathology and trauma assessment. A new chapter has also been added on "Forensic Anthropology of the Living." Although all of the sections of the book have been updated significantly, the authors have retained some sense of history to recognize the many pioneers that have shaped the discipline. The text will assist forensic anthropologists and forensic pathologists who have to analyze skeletons found in forensic contexts. This book has a global perspective in order to make it usable to practitioners across the world. Where possible, short case studies have been added to illustrate the diverse aspects of the work.

Handbook of Anthropometry - Victor R. Preedy 2012-02-02

Although its underlying concept is a relatively simple one—the measurement of the human body and its parts—anthropometry employs a myriad of methods and instruments, and is useful for a variety of purposes, from understanding the impact of disease on individuals to tracking changes in populations over time. The first interdisciplinary reference on the subject, the Handbook of Anthropometry brings this wide-ranging field together: basic theory and highly specialized topics in normal and abnormal anthropometry in

terms of health, disease prevention, and intervention. Over 140 self-contained chapters cover up-to-date indices, the latest studies on computerized methods, shape-capturing systems, and bioelectrical impedance, data concerning single tissues and whole-body variables, and reports from different areas of the world. Chapters feature helpful charts and illustrations, cross-references to related chapters are included, and key points are presented in bullet form for ease of comprehension. Together, the Handbook's thirteen sections entail all major aspects of anthropometrical practice and research, including: Tools and techniques. Developmental stages, from fetus to elder. Genetic diseases, metabolic diseases, and cancer. Exercise and nutrition. Ethnic, cultural, and geographic populations. Special conditions and circumstances. The Handbook of Anthropometry is an invaluable addition to the reference libraries of a broad spectrum of health professionals, among them health scientists, physicians, physiologists, nutritionists, dieticians, nurses, public health researchers, epidemiologists, exercise physiologists, and physical therapists. It is also useful to college-level students and faculty in the health disciplines, as well as to policymakers and ergonomists.

Plastic Surgery - E-Book - Richard J Warren 2012-09-07

Fully updated to meet the demands of the 21st-century surgeon, *Aesthetic Plastic Surgery, Volume 2 of Plastic Surgery, 3rd Edition*, provides you with the most current knowledge and techniques in aesthetic plastic surgery, allowing you to offer every patient the best possible outcome. Access all the state-of-the-art know-how you need to overcome any challenge you may face and exceed your patients' expectations. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Compatible with Kindle®, nook®, and other popular devices. Apply the very latest advances in aesthetic plastic surgery and ensure optimal outcomes with evidence-based advice from a diverse collection of world-leading authorities. Purchase this volume individually or own the entire set, with the ability to search across all six volumes online! Master the latest nonsurgical aesthetic therapies, including cosmetic skin care, Botulinum toxin treatments, soft tissue fillers, and skin resurfacing. Apply the most recent techniques in rhinoplasty, body contouring, facelift techniques, and the growing field of Asian facial cosmetic surgery. Know what to look for and what results you can expect with over 1,400 photographs and illustrations. See how to perform key techniques with 41 surgical videos online. Access the complete, fully searchable contents online, download all the tables and figures, and take advantage of additional content and images at www.expertconsult.com!

Handbook on Craniofacial Superimposition - Sergio Damas 2019-11-05

This open access handbook presents a trustable craniofacial superimposition methodological framework. It includes detailed technical and practical overviews, and discussions about the latest tools and open problems, covering the educational, technical, ethical, and security aspects of this forensic identification technique. The book will be of particular interest to researchers and practitioners in forensic anthropology and forensic ID, and also researchers in computational intelligence. It is the final result of a European project, *New Methodologies and Protocols of Forensic Identification by Craniofacial Superimposition (MEPROCS)*. The project collaborators who contributed to this handbook are: S. Damas, O. Ibáñez, M.I. Huete, T. Kahana, C. Wilkinson, E. Ferguson, C. Erolin, C. Cattaneo, P.T. Jayaprakash, R. Jankauskas, F. Cavalli, K. Imaizumi, R. Vicente, D. Navega, E. Cunha, A.H. Ross, E. Veselovskaya, A. Abramov, P. Lestón, F. Molinero, E. Ruiz, F. Navarro, J. Cardoso, F. Viegas, D. Humpire, R. Hardiman, J. Clement, A. Valsecchi, B.R. Campomanes-Alvarez, C. Campomanes-Alvarez, A.S. Çağdır, T. Briers, M. Steyn, M. Viniero, D.N. Vieira, and O. Cordon.

Contemporary Orthodontics, 6e: South Asia Edition-E-Book - William R Proffit, Dds PhD 2019-06-29

Contemporary Orthodontics, 6e: South Asia Edition-E-book

Handbook of Growth and Growth Monitoring in Health and Disease - Victor R. Preedy 2011-12-03

Growth is one of the human body's most intricate processes: each body part or region has its own unique growth patterns. Yet at the individual and population levels, growth patterns are sensitive to adverse conditions, genetic predispositions, and environmental changes. And despite the body's capacity to compensate for these developmental setbacks, the effects may be far-reaching, even life-long. The Handbook of Growth and Growth Monitoring in Health and Disease brings this significant and complex field together in one comprehensive volume: impact of adverse variables on growth patterns; issues at different

stages of prenatal development, childhood, and adolescence; aspects of catch-up growth, endocrine regulation, and sexual maturation; screening and assessment methods; and international perspectives. Tables and diagrams, applications to other areas of health and disease, and summary points help make the information easier to retain. Together, these 140 self-contained chapters in 15 sections [ok?] cover every area of human growth, including: Intrauterine growth retardation. Postnatal growth in normal and abnormal situations. Cells and growth of tissues. Sensory growth and development. Effects of disease on growth. Methods and standards for assessment of growth, and more. The Handbook of Growth and Growth Monitoring in Health and Disease is an invaluable addition to the reference libraries of a wide range of health professionals, among them health scientists, physicians, physiologists, nutritionists, dieticians, nurses, public health researchers, epidemiologists, exercise physiologists, and physical therapists. It is also useful to college-level students and faculty in the health disciplines, and to policymakers and health economists.

Journal of Prosthodontics on Complex Restorations - Nadim Z. Baba 2016-09-01

Journal of Prosthodontics on Complex Restorations compiles 34 of the journal's best articles discussing complex restorative dental challenges, collecting notable works on the subject. Presents a curated list of the best peer-reviewed articles on complex restorations from the pages of *Journal of Prosthodontics* Covers management of maxillofacial defects using CAD/CAM technology, tooth wear, congenital disorders, orthodontic/prosthodontic patients, patients with surgical and maxillofacial challenges, and completely edentulous patients using new ceramic material Offers a mix of clinical reports, research articles, and reviews

Face Biometrics for Personal Identification - Besma Abidi 2007-04-08

This book provides ample coverage of theoretical and experimental state-of-the-art work as well as new trends and directions in the biometrics field. It offers students and software engineers a thorough understanding of how some core low-level building blocks of a multi-biometric system are implemented. While this book covers a range of biometric traits, its main emphasis is placed on multi-sensory and multi-modal face biometrics algorithms and systems.

Plastic Surgery E-Book - Eduardo D Rodriguez 2017-08-10

Completely revised to meet the demands of today's trainee and practicing plastic surgeon, *Craniofacial, Head and Neck Surgery Pediatric Plastic Surgery, Volume 3 of Plastic Surgery, 4th Edition*, features new full-color clinical photos, dynamic videos, and authoritative coverage of hot topics in the field. Editor-narrated PowerPoint presentations offer a step-by-step audio-visual walkthrough of techniques and procedures in plastic surgery. Offers evidence-based advice from a diverse collection of experts to help you apply the very latest advances in craniofacial, head and neck, and pediatric plastic surgery and ensure optimal outcomes. Provides updated coverage of: Aesthetic reconstruction of the nose; Orbito-maxillary reconstruction; Cheek and lip reconstruction; Facial paralysis; Facial transplant; and Surgical management of migraine headaches. Highlights the latest information on Computerised surgical planning in orthognathic surgery; Computerised surgical planning in craniofacial, head and neck surgery; and Rotation advancement. Includes brand-new color clinical photos, videos, and lectures.

Forensic Facial Reconstruction - Caroline Wilkinson 2008-11-13

Forensic facial reconstruction is the reproduction of an individual's face from skeletal remains. Used when other forms of identification are very difficult or impossible, it can give a name to the dead in forensic cases, or in archaeological contexts, provide a tangible impression of real individuals from our past. This comprehensive work starts with a discussion of the importance of the face in society and the history of facial reconstruction, going on to evaluate the accuracy of modern reconstruction methods. The Manchester method of facial reconstruction, and the relationships between the hard and soft tissues of the face are described in detail. Uniquely, it also describes the methods and problems associated with reconstructing the faces of children. Collating all published facial tissue data and describing tissue variations with reference to age, sex, stature and ethnic origin, this book will be an important reference volume for all practitioners in the field.

Facial Aesthetics - Farhad B. Naini 2011-01-14

Facial Aesthetics: Concepts and Clinical Diagnosis is a unique new illustrated resource for facial aesthetic

surgery and dentistry, providing the comprehensive clinical textbook on the art and science of facial aesthetics for clinicians involved in the management of facial deformities, including orthodontists, oral and maxillofacial surgeons, plastic and reconstructive surgeons and aesthetic dentists. It aims to provide readers with a comprehensive examination of facial aesthetics in the context of dentofacial and craniofacial diagnosis and treatment planning. This aim is achieved through coupling meticulous research and practical clinical advice with beautifully drawn supporting illustrations and diagrams. Structured over 24 logically arranged and easy-to-follow chapters, Part I of Facial Aesthetics covers the historical evidence for facial aesthetic canons and concepts in depth. It incorporates all aspects relevant to the work of the clinician, including the philosophical and scientific theories of facial beauty, facial attractiveness research, facial expression and the psychosocial ramifications of facial deformities. Part II of the book then goes on to examine clinical evaluation and diagnosis in considerable detail under four sections, from the initial consultation interview and acquisition of diagnostic records (section 1), complete clinical examination and analysis of the craniofacial complex (section 2), in depth analysis of each individual facial region using a top-down approach (section 3) and finally focussing on smile and dentogingival aesthetic evaluation (section 4). An in-depth, thoughtful, practical and absorbing reference, Facial Aesthetics will find an enthusiastic reception among facial aesthetic surgeons and aesthetic dentists with an interest in refining their understanding and appreciation of the human face and applying practical protocols to their clinical diagnosis and treatment planning. Key features: Examines facial aesthetics in a clinical context Promotes an interdisciplinary approach to facial aesthetic analysis Detailed description of the systematic clinical evaluation of the facial soft tissues and craniodentoskeletal complex Detailed, step-by-step aesthetic analysis of each facial region In-depth analysis of 2D and 3D clinical diagnostic records Evidence-based approach, from antiquity to contemporary scientific evidence, to the guidelines employed in planning the correction of facial deformities Treatment planning from first principles highlighted Clinical notes are highlighted throughout Clearly organized and practical format Highly illustrated in full colour throughout

Computational Intelligence in Digital Forensics: Forensic Investigation and Applications - Azah Kamilah Muda 2014-04-01

Computational Intelligence techniques have been widely explored in various domains including forensics. Analysis in forensic encompasses the study of pattern analysis that answer the question of interest in security, medical, legal, genetic studies and etc. However, forensic analysis is usually performed through experiments in lab which is expensive both in cost and time. Therefore, this book seeks to explore the progress and advancement of computational intelligence technique in different focus areas of forensic studies. This aims to build stronger connection between computer scientists and forensic field experts. This book, Computational Intelligence in Digital Forensics: Forensic Investigation and Applications, is the first volume in the Intelligent Systems Reference Library series. The book presents original research results and innovative applications of computational intelligence in digital forensics. This edited volume contains seventeen chapters and presents the latest state-of-the-art advancement of Computational Intelligence in Digital Forensics; in both theoretical and application papers related to novel discovery in intelligent forensics. The chapters are further organized into three sections: (1) Introduction, (2) Forensic Discovery and Investigation, which discusses the computational intelligence technologies employed in Digital Forensic, and (3) Intelligent Forensic Science Applications, which encompasses the applications of computational intelligence in Digital Forensic, such as human anthropology, human biometrics, human by products, drugs, and electronic devices.

Anthropometric Facial Proportions in Medicine - Leslie G. Farkas 1987

Plastic Surgery - Aesthetic - Peter C. Neligan 2012-09-05

Fully updated to meet the demands of the 21st-century surgeon, Aesthetic Plastic Surgery, Volume 2 of Plastic Surgery, 3rd Edition, provides you with the most current knowledge and techniques in aesthetic plastic surgery, allowing you to offer every patient the best possible outcome. Access all the state-of-the-art know-how you need to overcome any challenge you may face and exceed your patients' expectations.

Atlas of Oral and Maxillofacial Surgery- E-Book - Deepak Kademani 2015-03-15

Enhance your OMS surgical skills with Atlas of Oral and Maxillofacial Surgery! This practical guide, written

by respected international contributors and edited by OMS experts Deepak Kademani and Paul Tiwana, offers detailed, step-by-step instructions and over 2,000 full-color illustrations that demonstrate how to plan for and perform oral and maxillofacial surgical procedures safely and efficiently. Comprehensive coverage addresses the broad scope of the specialty, ranging from the surgical anatomy of the head and neck to oral surgery, implant surgery, orthognathic and craniofacial surgery, cleft lip and palate, craniomaxillofacial trauma, management of head and neck surgery, reconstructive procedures, TMJ surgery, and aesthetic facial surgery. A comprehensive approach to OMS operative procedures offers practical guidance to the management of patients with oral and maxillofacial disorders, with each surgical procedure chapter approximately six to eight pages in length and covering the following topics: armamentarium, history of the procedure, indications for use of the procedure, limitations and contraindications, technique, alternate or modified technique, avoidance and management of intraoperative complications, and postoperative considerations. Detailed, step-by-step approach shows how to perform OMS surgical procedures safely and efficiently. Coverage of alternative and modified techniques addresses options other than the standard techniques. A full-color design makes the text easier to navigate. Expert, international contributors provide authoritative guidance on the OMS procedures they typically perform.

Physical Attractiveness and the Theory of Sexual Selection - Doug Jones 1996-01-01

Three-Dimensional Cephalometry - Gwen R.J. Swennen 2005-12-10

Radiographic cephalometry has been one of the most important diagnostic tools in orthodontics, since its introduction in the early 1930s by Broadbent in the United States and Hofrath in Germany. Generations of orthodontists have relied on the interpretation of these three dimensions with the aid of 3D-cephalometry. Images for their diagnosis and treatment planning as of course, at the moment the technique is not available well as for the long-term follow-up of growth and in every orthodontic of?ce around the corner. H-treatment results. Also in the planning for surgical ever, especially for the planning of more complex orthodontic corrections of jaw discrepancies, lateral cases where combined surgical - orthodontic tre- and antero-posterior cephalograms have been valued. It is my sincere conviction that with the use of 3D cephalometry will have changed the way of thinking about planning and clinical of the existing technique is that it renders only a two-dimensional representation of a three-dimensional structure

Video Atlas of Cleft Lip and Palate Surgery - Derek J. Rogers, MD 2013-08-01

Computer-Graphic Facial Reconstruction - John G. Clement 2005-07-02

This unique book looks at a cost-efficient, fast and accurate means of facial reconstruction--from segmented, decomposed, or skeletal remains--using computer-graphic and computational means. Computer-Graphic Facial Reconstruction is designed as a valuable resource for those scientists designing new research projects and protocols, as well as a practical handbook of methods and techniques for medico-legal practitioners who actually identify the faceless victims of crime. It looks at a variety of approaches: artificial intelligence using neural networks, case-based reasoning, Bayesian belief systems, along with a variety of imaging methods: radiological, CT, MRI and the use of imaging devices. The methods described in this book complement, or may even replace, the less-reliable, more traditional means of securing identification by presumptive means, i.e., recognition of clothing, personal effects and clay reconstruction. - Covers cutting-edge technologies in the context of historical forensic reconstruction methods - Features stellar authors from around the globe - Bridges the areas of computer graphics, animation, and forensic anthropology

Anthropometry of the Head and Face - Leslie G. Farkas 1994

Anthropometry of the Head and Face in Medicine - Leslie G. Farkas 1981

Handbook of Forensic Photography - Sanford L Weiss 2022-06-20

Handbook of Forensic Photography is the most-comprehensive, definitive reference for the use of photography in the capture and presentation of forensic evidence. The intent is to inform the reader about the most complete and up-to-date methods to capture and reproduce images that most accurately represent the evidence. With the rise in importance of forensic science, crime and accident scene documentation has likewise increased in importance—not the least of which has been forensic photography. The need to use accepted practice and protocols to guarantee the authenticity of images for evidence documentation is paramount for using it in court. And as with any discipline, there is an art to the science of forensic photography. Contributing authors from various backgrounds—each experts in their field—have provided numerous case examples, best practices, and recommendations for recognizing, recording, and preserving evidence using cameras and the latest digital image technology, including video and other imaging technologies. Chapters present such topics as videography, drone photography, underwater photography, crime scene photography, autopsy photographs, fire documentation, forensic odontology, and more. The book closes with coverage of courtroom displays, presenting imaging evidence and expert witness testimony in the courtroom. Handbook of Forensic Photography is a must-have reference for experienced crime scene photographers, death and crime scene investigators, police, and forensic professionals—including medical examiners, odontologists, engineers, and forensic anthropologists—who frequently need to capture investigative photographs in the course of investigations.

Augmented Reality, Virtual Reality, and Computer Graphics - Lucio Tommaso De Paolis 2016-06-10

The 2-volume set LNCS 9768 and 9769 constitutes the refereed proceedings of the Third International Conference on Augmented Reality, Virtual Reality and Computer Graphics, AVR 2016, held in Lecce, Italy, in June 2016. The 40 full papers and 29 short papers presented were carefully reviewed and selected from 131 submissions. The SALENTO AVR 2016 conference intended to bring together researchers, scientists, and practitioners to discuss key issues, approaches, ideas, open problems, innovative applications and trends on virtual and augmented reality, 3D visualization and computer graphics in the areas of medicine, cultural heritage, arts, education, entertainment, industrial and military sectors.

The Human Face - Mary Katsikitis 2012-12-06

This volume marks the first time that a collection of contemporary facial scoring techniques and their utility, whether clinical, experimental, theoretical, or otherwise, follows an historical introduction of the area, thereby recording the developmental history of this science.

Advances in Applied Digital Human Modeling and Simulation - Vincent Duffy 2020-07-19

This book, *Advances in Applied Digital Human Modeling*, is concerned with Modeling, Biomechanics and Simulation. The benefit of this area of research is to aid in the design of systems. Human modeling and simulation can reduce the need for physical prototyping and incorporate ergonomics and human factors

earlier in design processes. These models provide a representation of some human aspects that can be inserted into simulations or virtual environments and facilitate prediction of safety, satisfaction, usability, performance and sustainability. These may consider the physiological, cognitive, behavioral, emotional and environmental aspects. The math and science provides a foundation for visualizations that can facilitate decision making by technical experts, management or those responsible for public policy.

Is an Objective Measuring System for Facial Attractiveness Possible? - Mounir Bashour 2007-06

here exists a need for the creation of an objective system for measuring facial attractiveness and along with it a detailed mathematical analysis and understanding of facial sexual dimorphism. Both the areas of ophthalmic and facial plastic and reconstructive surgery and the areas of facial attractiveness and recognition research in psychology would greatly benefit from achieving these goals. The objective of this work has been to: develop and test a system for measuring facial attractiveness in an objective manner; and analyze orbital and facial sexual dimorphism. A facial overlay system or mask variously called the phi, archetypal, golden, or golden ratio mask has been claimed to be capable of being adapted to create an objective system for measuring facial attractiveness. The central hypothesis of the thesis is that the phi mask can be used to create an objective measurement system for facial attractiveness. Over a period of seven years, we have created a standardized high resolution photographic facial database of 18-30 year old male and female adults, as well as database of linked facial anthropometric and photogrammetric measurement data. We have also designed a system using the phi mask that attempts to measure facial attractiveness objectively, and tested it against our facial database. Finally, we have made a detailed analysis of the measurement data and previous literature with respect to precisely defining sexual dimorphism around the eyes and face. Results support our central hypothesis in that the phi mask in its current form does yield a measure for objective attractiveness that correlates to the current "gold standard" measure of attractiveness - 'truth of consensus'. However, while the mask is capable of explaining a major portion of the variance in facial attractiveness, it is not the final complete answer. Strengths, weaknesses and limitations of the approach and the model used are discussed, and ideas and directions for further research to develop a more accurate system are suggested. The analysis of the orbits and the face for sexual dimorphism yielded a great deal of new data and have lead to an understanding of sexual differences that have practical implications for both surgery and further facial research. Applications of the research include: Preoperative aids for planning plastic and reconstructive surgery, cosmetic surgery, and sex-altering surgery; standards for analyzing the eyes for academic study; standards for quantifying the features of the eyes for use in an identification system; aid in application of cosmetics; aid in understanding the psychological impact of eyes on the judgment of attractiveness; creation of a standardized database of digital high-resolution facial photographs and linked anthropometric and demographic database to be made available to the world community of facial researchers; use of the databases by researchers for face recognition research, facial attractiveness research etc.