Emergency Thyroidectomy: A Rare Case

¹Nitin Gupta, ²Saurabh Varshney

ABSTRACT

Primary thyroid lymphoma is a rare tumor of the thyroid gland, accounting for 1 to 2% of all thyroid malignancies. The mainstay of treatment for lymphamas is chemoradiation but thyroidectomy is required for patients with large thyroid gland presenting with obstructive symptoms, such as stridor. We present here such a case of a 54-year-old female who had presented in the emergency department of our institute with a huge neck swelling and stridor. Emergency thyroidectomy was done to relieve stridor.

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INTRODUCTION

Thyroid lymphoma is a form of cancer that develops from lymphocytes. Normal lymphocytes are often present in the thyroid gland as part of a process of autoimmune inflammation that can lead to gradual destruction of tissue.1 These white blood cells may start to grow abnormally, expanding to form a mass called a lymphoma. Only about 2% of extranodal lymphomas arise within the thyroid gland, and lymphomas represent no more than 2% of all malignant thyroid tumors.2 Thyroid lymphomas can grow rapidly, and may expand to the point, where it compresses other structures in the neck, causing problems with speech, swallowing, or breathing. Primary lymphoma of the thyroid, although rare, should always be considered in the differential diagnosis of patients with thyroid nodules, goiter, and carcinomas, mainly because its prognosis and treatment differ substantially from that of the other disorders.3 Thyroid lymphoma usually responds well to treatment with external beam radiation therapy and chemotherapy. Surgical intervention is rarely required in the treatment of thyroid lymphomas. Some patients presenting with symptoms of compromised airway, dysphagia or severe pain, may require surgery to palliate their symptoms.

CASE HISTORY

A 54-year-old female presented in the emergency department with noisy breathing for the last 2 days. There was history of midline neck swelling for the last 8 years. This swelling was stationary in size initially but there was rapid progression in the size of the swelling for the last 2 months. There was history of difficulty in breathing for the last 15. days with presence of noisy breathing for the last 2 days. Hoarseness of voice was also present for the last 2 months. There was no history of dysphagia, choking or weight loss. On examination, biphasic stridor was present. A midline neck swelling of 7 × 5 cm in size was present which was nontender, temperature over the swelling was normal, margins were ill-defined (Fig. 1). Swelling was diffuse and firm in consistency. It was mobile with deglutition. There was bilateral (B/L) cervical lymphadenopathy. Indirect laryngoscopy was suggestive of left vocal cord palsy.

The patient was hospitalized and put on IV fluids. Injection hydrocortisone 200 mg IV stat was administered to the patient to relieve the stridor. A contrast enhanced CT scan of the neck was performed (Figs 2A to C). A large thyroid gland mass measuring 12 × 10 cm, encasing and narrowing the tracheal lumen with mediastinal extension with B/L neck lymphadenopathy and consolidation of left upper lobe of lung. The patient was shifted to the operation theater for emergency thyroidectomy. A standard collar incision was made. The operative findings were suggestive



Fig. 1: A midline neck swelling of 7 x 5 cm in size

¹Assistant Professor, ²Professor and Head

¹Department of ENT, Government Medical College and Hospital Chandigarh, India

Department of ENT, Himalayan Institute Hospital Trust, Jolly Grant, Dehradun, Uttarakhand, India

Corresponding Author: Nitin Gupta, Assistant Professor Department of ENT, Government Medical College and Hospital Chandigarh, India, e-mail: nitinent123@gmail.com

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C. Thomas Yarington

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Case Studies in Thyroid and Parathyroid Tumors Amit Agarwal, Ranil Fernando, Rajeev Parameswaran, Anand Kumar Mishra, Roma Pradhan, 2023-06-08 The book covers all aspects of thyroid and parathyroid surgery including history and examination pre operative workup and how ancillary specialties like pathology radiology radiotherapy and nuclear medicine impact the outcome of thyroid and parathyroid patients It offers a step by step approach to help the readers manage their cases in their practice It includes numerous color photographs anatomical and operative line diagrams for easy understanding Chapters include flow charts explaining the case management and the decision making process The book serves as a valuable resource to endocrine surgeons general surgeons endocrinologists and internists It also serves as reference material for the exit examination of masters of surgery and the super specialty entrance and exit exam for endocrine surgery Additionally it helps consultants and postgraduate students of radiology pathology nuclear medicine and radiotherapy Clinical Reasoning Cases in Nursing - E-Book Mariann M. Harding, Julie S. Snyder, 2023-04-13 Selected for Doody's Core Titles 2024 with Essential Purchase designation in Perioperative Learn to make sound clinical nursing judgments with the concept based case study approach in Harding Snyder's Clinical Reasoning Cases in Nursing 8th Edition Awarded second place in the 2019 AJN Book of the Year Awards in the Medical Surgical category this time tested case study resource is highly regarded for its clinically relevant and thought provoking cases Approximately 150 true to life case studies cover all four clinical practice areas medical surgical pediatric OB maternity and psychiatric mental health nursing all organized to facilitate a conceptual approach to teaching and learning Each case covers a common patient problem drawn from actual clinical experiences and written by nurses who are clinical experts and includes a strong focus on interprofessional collaboration competencies Cases include integrated content on pharmacology nutrition and diagnostic laboratory tests to encourage you to think critically about all aspects of patient care The 8th edition has been updated throughout to reflect the most current standards of clinical practice including readiness for practice in the COVID 19 era Also new to this edition concepts and terminology related to the Next Generation NCLEX Exam NGN are introduced in the Preface and integrated throughout to help you prepare for the new exam Approximately 150 case studies draw from actual clinical experiences in medical surgical pediatric OB maternity and psychiatric mental health clinical areas to help you learn to think clinically prioritize and deliver proactive nursing care UNIQUE Concept based organization mirrors the growing popularity of concept based curricula and conceptual approaches to teaching and learning in nursing education Clinical judgment approach helps you learn to identify changes anticipate possible complications and initiate therapeutic interventions Progressive case complexity builds on previous learning to help you gradually develop clinical judgment skills Strong QSEN safety emphasis is highlighted with an icon to communicate caution or safety Icons identify questions that resemble new NCLEX RN item types Strong emphasis on sepsis and antibiotic resistance addresses the growing problem of

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guide to all the common thyroid disorders that may be seen by internists endocrinologists nuclear medicine physicians and endocrine surgeons While the fundamentals of thyroid hormone function and regulation in health and disease are well covered the primary focus is on the clinical approach to thyroid disease with detailed coverage of both initial diagnosis and management and the role of imaging Because most endocrine diseases are chronic and lifelong special emphasis is placed on long term management and the common pitfalls that may be encountered by the clinician The editors are internationally acknowledged leaders in the field of thyroid disease and have gathered an outstanding team of authors all of whom are also highly expert in their respective areas but who equally importantly write in a clear and lucid style The numerous isotope scan and ultrasonographic images ensure that the book will serve a valuable reference atlas to which the physician will return Principles Of Clinical Toxicology Thomas A Gossel, 2018-02-06 In this third edition the editors have accounted for the numerous changes in protocols for managing poison ingestions and have again provided an indispensable resource for all students of pharmacy and the health sciences on the basic principles of clinical toxicology The book's unique focus on the fundamentals helps the reader understand why events occur and why a particular treatment is selected Each chapter presents pertinent information on classes of toxic agents their common sources and usual methods of intoxication incidence and frequency of poisoning mechanisms of action clinical signs and symptoms of poisoning and management guidance The text includes illustrative case studies carefully selected to reinforce the information covered Each chapter Clinically Oriented Anatomy Keith L. concludes with review questions to further enhance comprehension Moore, Arthur F. Dalley, 2018-07-12 Renowned for comprehensive coverage the best selling Clinically Oriented Anatomy guides students from initial anatomy and foundational science courses through clinical training and practice The eighth edition reflects significant new information and updates and maintains the highest standards for scientific and clinical accuracy Comprehensive updates reflect changes in the clinical application of anatomy as well as new imaging technologies focusing on the anatomy that students need to know Gowned and Gloved Surgery Robert E. Roses, 2009-01-01 Performing well and learning effectively during your clinical rotations in general surgery are challenges you face everyday They are equally important in caring for patients and earning the grade Time constraints and last minute assignments in the OR make reading the necessary material difficult and can jeopardize your evaluation by senior residents and attendings on your rotation This title in the Gowned and Gloved series provides a concise review of the most common surgical procedures and relevant surgical anatomy to help you shine in the OR without getting bogged down in theory and extraneous information typical of more expansive text books It provides the edge you need in the OR delivering not only the information necessary to do well during your rotation but also a plan on how to maximize your time make the best impression and ace your rotation Features case studies with appropriate images in each chapter to illustrate the types of clinical scenarios you may experience Gives you the details you need to understand all aspects of each procedure Includes the surgical indications and relative

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Endocrine Pathology, An Issue of Surgical Pathology Clinics, E-Book Nicole A. Cipriani,2023-02-07 In this issue guest editors bring their considerable expertise to this important topic Provides in depth reviews on the latest updates in the

field providing actionable insights for clinical practice Presents the latest information on this timely focused topic under the leadership of experienced editors in the field Authors synthesize The Genetics of Complex Thyroid Diseases T. Akamizu, M. Kasuga, T.F. Davies, 2012-12-06 The rapid developments in molecular genetics have clarified many of the muta tions in monogenic thyroid diseases over the last two decades now the target of molecular thyroid genetics has become the oligogenic thyroid diseases These include the autoimmune thyroid diseases and familial thyroid cancers both of which are much commoner than the monogenic diseases However the method ological approach to the genetics of these more complex diseases is still far from being well established Although the discovery of susceptibility genes has been partially accomplished in complex diseases such as asthma Crohn s dis ease and types I and II diabetes mellitus the elucidation of susceptibility genes in complex diseases remains a major challenge This volume contains papers presented at the International Symposium on the Genetics of Complex Thyroid Diseases This meeting was held in association with the International Thyroid Congress in Kyoto in October 2000 and sup ported in part by the Japan Intractable Diseases Research Foundation and Knoll Pharmaceuticals Inc The symposium was the first international symposium con cerning the genetics of complex thyroid diseases and was restricted to the study of the autoimmune thyroid diseases and familial thyroid cancer Twenty distin guished researchers from the United States the United Kingdom France Ger many Italy and Japan were invited Each presentation precipitated intense dis cussion and there was much consensus during the meeting Nevertheless this volume will leave the reader with a clear understanding of how little we still know Epilepsy Bibliography, 1900-1950 Richard L. Rapport, 1973 Thyroid Cancer Angelo Carpi, Jeffrey I Mechanick, 2016-04-19 The current age of clinical medicine is witnessing biotechnological innovation at an unprecedented pace As a result the recently popularized clinical practice guidelines CPG as a tool to assist clinical decision making have been struggling to keep up Thyroid Cancer From Emergent Biotechnology to Clinical Practice Guidelines rides the wave o Smith and Nesi's Ophthalmic Plastic and Reconstructive Surgery J. Javier Servat, Evan H. Black, Frank A. Nesi, Geoffrey J. Gladstone, Christopher J. Calvano, 2020-08-04 This landmark book is the most extensive and complete oculofacial plastic surgery guide available in the market Updated and broadened from the three previous editions it includes advances in the use of surgical navigation systems and new techniques and treatments for diseases involving the eyelid orbital and lacrimal system Organized across 11 sections of in depth expertly written text Smith and Nesi s Ophthalmic Plastic and Reconstructive Surgery Fourth Edition has taken the best of the field's classic reference text and expanded upon it Detailed chapters cover a multitude of topics relating to various ocular surgeries pediatric considerations ocular traumas and anatomy Supplemented with a myriad of high quality illustrations Smith and Nesi s Ophthalmic Plastic and Reconstructive Surgery Fourth Edition is an indispensable reference for oculoplastics surgeons and physicians in other fields Surgery: Core Principles and Practice John D Corson, Robin Williamson, 2017-08-31 Surgery Core principles and Practice is the second edition of this general surgery textbook providing

essential core knowledge in a user friendly format Divided into 8 sections this two volume set begins with the principles of surgery followed by trauma gastrointestinal surgery vascular surgery breast surgery and endocrine surgery along with a dedicated section on surgical subspecialties. The content of the book has been completely re-organised from the first edition and includes new topics on acquiring surgical knowledge vascular access principles of endoscopy interventional radiology assessment and monitoring of critical illness aortic emergencies and immunosuppression An accompanying website includes the complete text images and references Surgery Core principles and Practice includes nearly 50 case studies on challenging real life cases The text is enhanced by over 800 full colour images and illustrations including clinical and diagnostic photographs and an accompanying website This is a comprehensive two volume surgery textbook written and edited by a world class team of surgeons at an appropriate level for both residents and practitioners Key Features New fully revised edition Over 800 full colour images and illustrations Challenging real life case studies World class editorial team from the UK and US Geriatric Medicine Michael R. Wasserman, Debra Bakerjian, Sunny Linnebur, Sharon Brangman, Matteo Cesari, Sonja Rosen, 2024-02-19 Both volumes sold as a combined set for a one time purchase Older adults represent the most rapidly growing demographic in the U S and in many developed countries around the world The field of geriatric medicine is still relatively young and is only recently seeing a significant increase in peer reviewed literature Medicare and Medicaid expenditures related to older adults are nearly a trillion dollars year in the US How our healthcare system cares for older adults and how those older adults navigate an increasingly complex system is of the utmost importance According to the Institute of Medicine physicians and other healthcare professionals receive an inadequate amount of training in geriatric medicine Geriatric medicine is based on the concept of delivering person centered care with a focus on function and quality of life It is essential that physicians nurse practitioners physician assistants pharmacists social workers and other health care professionals all be knowledgeable about thegeriatric approach to care Geriatric medicine varies from most other fields in medicine While many specialties function on the basis of evidence based literature geriatricians and other clinicians caring for older adults must integrate relatively limited evidence with variable physiological changes and complex psychosocial determinants Geriatricians are used to caring for 90 year olds with multiple chronic illnesses Their variable physiology leads to uncertain responses to pharmacotherapy and their personal goals and wishes need to be incorporated into any plan of care Practicing geriatric medicine requires the ability to see patterns But it goes one step further as the rules are constantly in flux Every patient is an individual with particular needs and goals In order to provide true person centered care to older adults one has to incorporate these factors into the decision making process The proposed handbookis designed to present a comprehensive and state of the art update that incorporates existing literature with clinical experience Basic science and the physiology of aging create a background but are not the main focus This is because every chapter has been written through the lens of person centered care This book is about focusing on what matters to the person and how that is not always about

pathology and physiology The reader generally will not find simple solutions to symptoms diseases and syndromes In fact the key to caring for geriatric patients is the ability to think both critically and divergently at the same time Geriatrics encompasses multiple disciplines and spans all of the subspecialties It requires knowledge of working within an interdisciplinary team It requires an appreciation of how quality of life varies with each individual and creates treatment and care plans that also vary And most of all it requires a firm commitment to first learning who the person is so that all of the necessary data can be analyzed and integrated into a true person centered plan of care This book aims to serve as an unparalleled resource for meeting these challenges Updated and revised from the previous edition this text features over 40 new peer reviewed chapters new references and a wide array of useful new tools that are updated on a regular basis by interdisciplinary and interprofessional experts in geriatric medicine

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