

What is a Cluster Headache?



- Sharp, stabbing, or burning in nature
- Lasts 15 minutes to 3 hours and occurs once every other day (up to 8 times daily)
- Follows a circadian pattern, occurring around the same time
- Migraines are longer (lasting 4 - 72 hours) and are throbbing
- Talk to your healthcare provider about treatment options

Cluster Headache

Lawrence Robbins



Cluster Headache:

Cluster Headaches, Treatment and Relief Michael Goldstein,1999 Cluster headaches also called cluster migraines or Horton s syndrome are similar to migraines but are much more severe Attacks arrive in clusters lasting weeks to months with months or years between headache cycles Common medications are ineffective at providing relief and the pain is so excruciating that many victims have committed suicide Unlike other headaches one cannot simply take a couple of aspirin and continue with everyday events Cluster headaches affect one out of every 400 adults yet many victims suffer alone Their symptoms were either misdiagnosed or they are unaware of current treatment modalities But help is now available for the thousands of men and women who are afflicted with this debilitating ailment This concise manual on cluster headaches is furnished to encourage and support cluster headache victims their families and the doctors who are trying to help them It contains more than 200 profiles of cluster headache sufferers along with candid excerpts by medical doctors and their patients More importantly it clarifies symptoms elaborates on factors likely to provoke the condition and provides the most up to date cutting edge therapies for treating and relieving the pain

Cluster Headache Ninan T. Mathew,2012-12-06 This book constitutes a compilation and integration of the latest advances in the management of cluster headaches It encompasses the work of nine experts in the field of headache in the U S and presents a thorough and comprehensive view of the subject Most of the participants at the symposium have spent years studying cluster headache and its variants They present a variety of conceptions in a comprehensive manner It is believed that the generalist neurologist or other medical specialist involved in the treatment of this difficult syndrome will derive diagnostic and therapeutic insight into its management The patients seeking help and understanding of their condition will be the ultimate beneficiaries of its information

SEYMOUR DIAMOND M D March 1984 Preface The past decade has witnessed a surge of interest in the field of headache and related disorders Even though the pathophysiology and pathogenesis of primary headache disorders are still poorly understood recent clinical and therapeutic observations have greatly contributed to improvement of patient care in the headache field Headache clinics specializing in the diagnosis and comprehensive management of headaches now available in most major cities have also helped in the progress of patient care and research

Cluster Headache and other Trigeminal Autonomic Cephalgias Massimo Leone,Arne May,2019-07-17 This book provides essential insights into the current state of knowledge regarding the main aspects of cluster headache and trigeminal autonomic cephalgias The first chapters focus on classification and clinical features together with familial and genetic aspects Relevant animal models and the putative role of key nervous structures as the hypothalamus brainstem diencephalon and sphenopalatine ganglion are reviewed Evidence gained from key molecules such as CGRP in animals and human headache models are discussed The book subsequently presents information on the various aspects of the pathophysiology of trigeminal autonomic cephalalgias for example regarding the implication of the trigeminovascular system and the facial autonomic reflexes of the brainstem

Further it shares insights from imaging studies including functional magnetic resonance imaging and more advanced techniques as well as brain stimulation procedures Further chapters describe the current state of knowledge concerning drug treatment and the various neurostimulation procedures Trigeminal neuralgia is also presented due its close relationship with some short term trigeminal autonomic cephalgias a great deal can be learned from a better understanding of their differences and similarities The same approach is then applied to cluster headache and migraine All chapters were written by respected experts in their fields ensuring the book will provide an excellent source of up to date information and perspectives on trigeminal autonomic cephalgias and related disorders As such it will be of considerable value for students clinicians and pain researchers alike

[The Headaches](#) Jes Olesen,2006 Established worldwide as the one definitive encyclopedic reference on headache The Headaches is now in its thoroughly revised updated Third Edition The foremost international authorities examine the mechanisms of over 100 types of headache and provide evidence based treatment recommendations including extensive tables of controlled clinical trials This edition presents the revised International Headache Society classification of headaches and explains how to use this new classification for accurate diagnosis Many headache entities are discussed for the first time such as chronic migraines primary headache attributed to sexual activity primary stabbing cough exertional and thunderclap headaches hypnic headaches and new daily persistent headaches A new section focuses on childhood headaches Chapters that focus on headaches in elderly patients and patients with psychiatric or medical diseases are also included

[Medifocus Guidebook On: Cluster Headache](#) Medifocus.com, Inc. Staff,2012-01-10 The MediFocus Guidebook on Cluster Headache is the most comprehensive up to date source of information available You will get answers to your questions including risk factors of Cluster Headache standard and alternative treatment options leading doctors hospitals and medical centers that specialize in Cluster Headache results of the latest clinical trials support groups and additional resources and promising new treatments on the horizon This one of a kind Guidebook offers answers to your critical health questions including the latest treatments clinical trials and expert research high quality professional level information you can trust and understand culled from the latest peer reviewed journals and a unique resource to find leading experts institutions and support organizations including contact information and hyperlinks This Guidebook was updated on January 10 2012

Migraine in Women Elizabeth Loder,Dawn A. Marcus,2004 Fifteen specialists serve as chapter authors covering sex hormones and genetics as well as the social cultural psychiatric and psychological factors that contribute to headache disorders Their approach is evidence based but where there are gaps in research the authors provide advice based on expert consensus and clinical experience Each chapter opens with a case report that synthesizes the chapter s treatment recommendations as well as key points listing the chapter s contents The main body of the chapter features an introductory overview a closing summary tables and an extensive list of suggestive reading

Cluster Headache Ninan T Mathew,1984-09-30 [Lexicon of Psychiatry, Neurology, and the Neurosciences](#) Frank J. Ayd,2000 Now in its thoroughly

updated Second Edition Dr Ayd s highly acclaimed Lexicon is an indispensable desk reference for anyone working in psychiatry neurology or the underlying basic neurosciences It provides succinct detailed and easily accessible definitions for the entire range of terms currently used in these fields including drug categories receptors and the sites and mechanisms affected by pharmacologic treatments This edition reflects the most recent developments in genetics and in psychopharmacology including new drugs and current concepts on drug drug interactions Dr Ayd has added over 1 000 new terms and rewritten nearly half of the entries in the original edition Compatibility BlackBerry R OS 4 1 or Higher iPhone iPod Touch 2 0 or Higher Palm OS 3 5 or higher Palm Pre Classic Symbian S60 3rd edition Nokia Windows Mobile TM Pocket PC all versions Windows Mobile Smartphone Windows 98SE 2000 ME XP Vista Tablet PC **Headache** Elizabeth

Loder, Vincent T. Martin, 2004 The emphasis of this book falls naturally on the Big Three headache disorders migraine tension type and cluster headaches Other topics include medication overuse and misuse complementary and alternative treatments headache in special populations such as children and adolescents and the difficult headache patient Special features include the headache calendars and diaries headache impact test and the MIDAS questionnaire Recognize the common headache patterns as you learn to perform an efficient screening physical examination in three minutes Identify and separate primary from secondary headache by utilizing the SNOOP mnemonic useful in recalling key features predictive of dangerous headaches **Cluster Headache Syndrome** Ottar Sjaastad, 1992 A discussion of the syndrome identified by cluster headaches Intended for neurologists this book explores different aspects of cluster headaches chronic cluster headaches and chronic paroxysmal hemicrania CPH Titles in the series include Transient Global Amnesia and Huntington s Chorea

Pathophysiology of Headaches Messoud Ashina, Pierangelo Geppetti, 2015-04-14 This book provides a detailed overview of the current state of knowledge regarding the pathophysiology of both primary headaches migraine tension type headache TTH and cluster headache and the very important and frequent type of secondary headache medication overuse headache MOH After an introductory chapter describing relevant neuroanatomy and vascular anatomy the evidence gained from animal models regarding the pathophysiology of migraine and the other primary headaches is reviewed Knowledge of the genetic component in the different types of headache is then examined with reference to recent evidence for example regarding the implication of the trigeminovascular system and cortical spreading depression in migraine Detailed information is provided on insights into primary headaches from imaging studies including functional magnetic resonance imaging and positron emission tomography and on their neurophysiology and biochemistry A further series of important chapters describe present knowledge of the pathophysiology of each specific type of headache and consider future directions Written by acknowledged experts in their fields from Europe and the United States clinicians and students will find *Pathophysiology of Headaches* to be an excellent source of up to date information on why patients experience headaches In addition it will be of value for pain researchers investigating the underlying mechanisms of headache *Migraine and Other Headaches* Stephen

D. Silberstein, MD, William B. Young, MD, 2004-03-01 Headache is the most common complaint for which people see neurologists and the seventh most common reason they visit their primary care doctors. It is the third most common cause of missed work and can seriously undermine the quality of life if not effectively managed. Migraine and Other Headaches is the essential guide for everyone who suffers from headaches and will provide the information needed to obtain effective medical care and long term relief. Different types of headache are thoroughly explained in easy to understand language beginning with migraine the most common severe headache which occurs in approximately 12 percent of the U S population. The authors discuss the different types of migraine: migraine without aura previously called common migraine, migraine with aura, and basilar migraine. Emphasis is placed on the necessity of early treatment, the importance of understanding the difference between a headache cause and a headache trigger, and how to avoid common triggers. Rebound headache caused by the overuse of acute medication is a topic of special significance and is discussed in detail. The book also considers tension type headache the most common primary headache disorder, 80 percent of us will have a tension type headache at some time in our lives, cluster headache, unusual headaches, non headache illnesses that frequently accompany headache, sinus headache, disorders of the neck, post traumatic headache, and atypical facial pain and trigeminal neuralgia. Treatment options for all types of headache are thoroughly discussed including the treatment of migraine with medications that can be taken daily to help prevent headache, stop headache pain once it has begun, and prevent worsening of headaches. Responses to medication, both prescription and nonprescription, are highly individualized and the physician will work with the headache sufferer in order to determine the most beneficial medication options. Managing headache pain goes beyond simply popping pills and therefore lifestyle issues are considered including the possibility of depression or other psychological factors and family relationships. The doctor may recommend changes in diet in order to avoid triggers, exercise, change in sleeping patterns, or relaxation techniques. Also included is information about alternative therapies such as vitamins and herbal supplements, physical therapy, acupressure, massage, acupuncture, chiropractic care, craniosacral therapy, hydrotherapy, and yoga. Also covered are behavioral treatments such as stress management training and psychotherapy. Emphasis is placed on the importance of the doctor patient relationship, should be a partnership with open communication with the patient, communicating goals and desires about the preferred headache management, the doctor contributing knowledge and values, and the final plan incorporating both perspectives. Migraines and Headaches will help those suffering with headaches and those who care for them to gain a deeper understanding of what is known about headache and what is not known, allowing them to explore diagnosis and treatment with this knowledge in hand. It is the first volume in a new series sponsored by the American Academy of Neurology. An AAN Press Quality of Life Guide. *Mechanism and Management of Headache* James Waldo Lance, 1993. **Management of Headache and Headache Medications** Lawrence D. Robbins, 2013-04-17. With full revisions and updates plus new chapters on herbs and vitamins, triptans, headache during breast feeding, menstrual migraine.

opiate abuse cervicogenic causes of headache and exercise and sexual headache this book presents a full and in depth range of information for primary care physicians and neurologists *Cluster Headache and Related Conditions* Jes Olesen, Peter J. Goadsby, 1999 Cluster headache affects 0.1% of the population and is a severe form of primary headache This volume of *Frontiers in Headache Research* is the only up to date and comprehensive review of the condition and its related disorders The book begins with a discussion of the basic circadian biology of the condition followed by an overview of relevant epidemiological studies Cluster headache is then described in comparison with related disorders including paroxysmal hemicrania SUNCT hemicrania continua and hypnic headache and the system of classification discussed The volume then moves on to look at the wealth of basic research into cluster headache including animal studies work on the autonomic nervous system in man neuropeptide research studies of biological rhythms the associated endocrinology information derived from neuroimaging and the influence of genetic factors The final sections of the book examine acute treatment prophylaxis the potential for surgical treatment and the opportunities for further innovative therapies The contributing authors are all international specialists in this field *Cecil Textbook of Medicine*, 2004 **Understanding Your Migraines** Morris Levin, Thomas N. Ward, 2017 Understanding Your Migraines is a comprehensive and authoritative resource for people who suffer from migraine headaches as well as for their families and their caretakers Drs Levin and Ward bring their vast experience studying and treating migraine to this book in a clear practical and easily understandable volume which covers all of the aspects of migraine that plague individuals and their families Numerous examples of real people with migraine help illustrate the options available for finding relief for this highly disabling worldwide health problem *Advanced Headache Therapy* Lawrence Robbins, 2015-03-26 This cutting edge book will cover various aspects of headache management with a focus on difficult patients Practical step by step advice for treating challenging headaches including migraine refractory and cluster headaches will be provided in detail along with how to approach patients of different ages and those with psychological disorders Unique and complex case studies and complete explanations to the vast array of medications will also be featured Authored by one of the leading experts on refractory headaches *Advanced Headache Management* will be an invaluable guide for the resident or clinician and an easy to read resource for many patients **Cluster Headache** Lee Kudrow, 1980 [Pharmacological Management of Headaches](#) Dimos D. Mitsikostas, Koen Paemeleire, 2015-08-26 In this book headache experts summarize all the currently available therapies for primary headaches and most importantly describe the tricks that can ensure the success of headache pharmacotherapy Prevention and acute treatment of migraine and cluster headache receive particular attention and individual chapters are devoted to the treatment of primary headaches in special groups i.e children pregnant women and the elderly Further chapters focus on selected secondary headache disorders and cranial neuralgias for which pharmacotherapy is available The book is designed to meet the daily practice needs of general physicians general neurologists neurologists in training and medical students Headache remains a leading reason for people

to seek medical consultation and migraine and other primary headache disorders are classified by the WHO as among the most disabling medical conditions in the general population often affecting individuals during their most productive years Unfortunately under treatment and mismanagement are the fate of many headache patients and this book provides a sound basis for optimizing treatment

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the objectives of the boiling point determination lab were to determine the boiling point of a mystery substance provided to each student boiling point is the point at which a liquid changes physical states and becomes a vapor or gas boiling point is important to understand because it can be used to help distinguish between different substances

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the boiling point of an organic liquid is the temperature at which its vapour pressure equals the atmospheric pressure over the liquid or it is the temperature at which the vapour and liquid phases are in equilibrium at agiven pressure the boiling point is considered as a criterion of purity of a compound and is useful for identification of

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given that the boiling points of ethanol and methanol 78 c and 64 c respectively are far off in a significant way this seems like a valid conclusion conclusion thermometer calibrations are necessary in order to collect reliable information as precise calculations are imperative to gathering correct results

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melting point 1 a push the open end of a capillary tube into the powdered acetamide b move the powder to the closed end of the capillary tube by tapping it on the table repeat until the the powdered acetamide occupies 1 2 mm of the capillary tube end c

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boiling point determination lab report conclusion objectivesto correctly measure boiling issues of various liquids and identify an unknown liquid based on its boiling point background information objekte can be distinguished into acid properties and physical properties

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discussion and conclusion the technique recrystallization was used because it is a simple method to purify a solid compound the percentage yield for benzoic acid and acetanilide acid being high indicated the initial sample had a low concentration of impurities with the melting point being in a specific

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introduction in this lab we will be using boiling points melting points and infrared spectrometry to identify unknown compounds boiling points are affect by three key factors the first being intermolecular forces inter molecular affect boiling point based on bond strength

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determination of boiling points introduction the boiling point of a compound is the temperature at which it changes from a liquid to a gas this is a physical property often used to identify substances or to check the purity of the compound it

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clean up solid and liquid spills immediately true g conclusions after conducting the boiling point determination lab it can be concluded that the unknown substance 193 is isopropyl alcohol on account of its observed boiling point of 88 c

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conclusion after completing this experiment the melting point of three different unknown compounds was obtained using the mel temp apparatus compound a had a melting point range of 114 6 115 5 c thus revealing it to be acetanilide compound b had a melting point range of 122 6 124 5 c thus

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nov 27 2019 essay sample the purpose of this experiment is to determine the boiling points of various organic compounds and to use these to identify unknowns equipment free essays

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melting point can be used as the identity and purity of an organic solid however it is not the same as the boiling point the

boiling point is a characteristic unique of pure liquids the boiling point is the temperature at which the vapor pressure of a liquid is equal to the atmospheric pressure

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aug 11 2020 boiling points are very sensitive to changes in applied pressure so all boiling points should be reported with the measured pressure a compound s normal boiling point refers to its boiling point at a pressure of 760 text mm ce hg

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the purpose of the experiment is to understand what vapour pressure is and how it changes with temperature to understand the relationship between vapour pressure at a given temperature and boiling temperature at a given pressure to determine the vapour pressure of a pure liquid at various temperatures

exploring boiling points sharmin khatun chem 1141 studocu - May 17 2023

exploring boiling points abstract in this experiment we are given a set of straight chain alkanes and a set of compounds to compare by following the trendline of the straight chain alkanes it could be concluded that as the molar mass of the straight chain alkanes increases their boiling points increase as well

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dec 7 2019 1987 the sample essay on boiling point determination lab report deals with a framework of research based facts approaches and arguments concerning this theme to see the essay s introduction body paragraphs and conclusion read on should be based on observations made during the experiment

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laboratory partners samantha and mackenzie goals □ correctly determine the boiling point of an unknown liquid □ measure the refractive index of an unknown □ use the gas chromatogram to determine the mass percentage of a mixture and

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50 c so in order to convert an experimental measurement taken in calgary which is at higher altitude than sea level and so is at a lower pressure to that reported for sea level higher pressure one needs to add a correction factor since the boiling point at sea level is higher than that at higher altitudes

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introduction in chemistry one may encounter an unknown substance that need to be determined by physical properties such as boiling point melting point density solubility etc in this experiment i am to figure out the boiling point of a mystery substance in order to identify it chemical responsibility this experiment requires the handling of a bunsen burner boiling

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there are a variety of methods by which a sample s boiling point can be determined including distillation reflux and by using

a thiele tube the most straightforward method uses a thiele tube and has the advantage of using less than 0.5ml of material