

Alberta Infant Motor Scale

STUDY#		Alberta Infant Motor Scale			
PRONO	PRONO	<p>Prono (1) Flexão fisiológica vira a cabeça para liberar o nariz</p>	<p>Prono (2) Eleva a cabeça assimetricamente a 45° Não consegue manter a cabeça na linha média</p>	<p>Apoio em Prono Cotovelos para trás em relação aos ombros eleva a cabeça sem sustentação até 45°</p>	<p>Mobilidade em Prono Suporte de prono na antebraço (1) Eleva e mantém a cabeça Cotovelos alinhados com os ombros</p>
				<p>Cabeça a 90° transferência de peso não controlada</p> <p>Suporte no Antebraço (2) Cotovelos à frente dos ombros chin tuck ativo com alongamento do pescoço</p>	
SUPINO	SUPINO	<p>Supino (1) Flexão fisiológica rotação da cabeça boca à mão movimentos braços e pernas</p>	<p>Supino (2) Rotação da cabeça em direção à linha média RTCA não obrigatório</p>	<p>Supino (3) Cabeça na linha média movimento os braços mas é incapaz de trazer as mãos na linha média</p>	<p>Supino (4) Flexores do pescoço ativos Chin tuck leva mãos à linha média</p>
				<p>Mãos nos joelhos Chin tuck alcança os joelhos com as mãos abdominais ativas</p>	
SENTADO	SENTADO	<p>Senta com suporte Eleva e mantém a cabeça na linha média brevemente</p>	<p>Senta com braços apoiados Mantém a cabeça na linha média suporta brevemente o peso dos braços</p>	<p>Puxado para sentar Chin tuck: cabeça alinhada ou à frente do corpo</p>	
EM PÉ	EM PÉ	<p>Em pé apoiado (1) Pode apresentar flexão de quadril e joelho inferiores</p>	<p>Em pé apoiado (2) Cabeça em linha com o corpo quadril para trás em relação aos ombros movimentos variados das pernas</p>		

Alberta Infant Motor Scale: A Comprehensive Guide for Parents and Professionals

Is your baby meeting their developmental milestones? Understanding your infant's motor skills is crucial for their healthy growth and development. This comprehensive guide dives deep into the Alberta Infant Motor Scale (AIMS), exploring its purpose, administration, interpretation, and significance in early childhood development. We'll equip you with the knowledge to better

understand this valuable assessment tool and what it means for your little one.

What is the Alberta Infant Motor Scale (AIMS)?

The Alberta Infant Motor Scale (AIMS) is a widely used, observational assessment tool designed to evaluate the gross motor development of infants from birth to 18 months of age. Unlike standardized tests that rely on specific responses, the AIMS focuses on spontaneous movements, capturing a more natural picture of an infant's motor abilities. This makes it a particularly valuable tool for assessing infants with suspected developmental delays or those born prematurely.

Key Features of the AIMS:

Observational: The assessment relies on observing the infant's spontaneous movements in various positions. This avoids the potential biases associated with directed tasks.

Standardized: The AIMS provides a standardized scoring system, allowing for comparisons across different infants and facilitating the tracking of progress over time.

Comprehensive: It assesses a wide range of gross motor skills, including posture, head control, limb movements, and locomotion.

Easy to Administer: With proper training, the AIMS is relatively simple to administer, making it accessible to a range of healthcare professionals.

How is the AIMS Administered?

The AIMS is administered by a trained professional, typically a pediatrician, physical therapist, or occupational therapist. The assessment typically takes place in a comfortable, familiar setting to minimize stress for the infant. The examiner observes the infant in a series of positions, such as prone (lying on the stomach), supine (lying on the back), and sitting, noting the quality and range of their movements. The observation is scored based on a standardized scoring system.

Scoring and Interpretation:

The AIMS uses a standardized scoring system, typically ranging from 0 to 100, with higher scores indicating greater motor skill development. The score provides a snapshot of the infant's current motor abilities and can be compared to age-based norms. It's crucial to understand that the AIMS isn't a diagnostic tool in itself. A low score might indicate a need for further investigation and potential intervention, but it doesn't provide a definitive diagnosis.

The Importance of Early Intervention

Early identification of developmental delays is paramount. The AIMS plays a vital role in this process, allowing for timely interventions that can significantly impact an infant's developmental trajectory. Early intervention can take many forms, including physical therapy, occupational therapy, and specialized educational programs. The sooner these interventions are implemented, the more effective they tend to be.

Beyond the Score: Understanding the Context

While the numerical score from the AIMS is important, it's essential to consider the overall picture. The assessor should also consider factors such as the infant's medical history, family history, and overall health. The AIMS score should be interpreted within this broader context. A low score shouldn't lead to immediate alarm but rather prompt further investigation and collaborative discussion with healthcare providers.

AIMS and Premature Infants

The AIMS is particularly valuable for assessing premature infants. Due to their early birth, premature babies may exhibit delayed motor development compared to their full-term peers. The AIMS provides a tool for tracking their progress and tailoring interventions to their individual needs. Using corrected gestational age (the age the infant would be if born at full term) is crucial when interpreting the AIMS scores for premature infants.

Conclusion

The Alberta Infant Motor Scale is a powerful tool for assessing infant motor development. Its observational nature, standardized scoring, and ease of administration make it invaluable for parents and healthcare professionals. While the score provides valuable information, it's crucial to consider the broader context and involve other healthcare providers for a comprehensive understanding of the infant's development. Early identification and intervention based on AIMS assessments can positively impact a child's long-term development.

FAQs

Q1: Is the AIMS a diagnostic tool? No, the AIMS is an assessment tool that helps identify potential developmental delays. It does not provide a diagnosis. Further evaluation may be needed to determine any underlying medical conditions.

Q2: Who can administer the AIMS? The AIMS should only be administered by trained professionals such as pediatricians, physical therapists, or occupational therapists who have received specific training in its administration and interpretation.

Q3: How often should the AIMS be administered? The frequency of AIMS administration depends on the individual infant and their needs. It may be administered multiple times to monitor progress, especially if developmental delays are suspected.

Q4: What if my child scores low on the AIMS? A low score doesn't necessarily mean there's a significant problem. It indicates a need for further evaluation and discussion with your healthcare provider to explore potential interventions and support.

Q5: Is the AIMS suitable for all infants? While generally suitable, the AIMS may be less reliable for infants with severe medical conditions or significant neurological impairments. In such cases, alternative assessment methods might be more appropriate.

alberta infant motor scale: Motor Assessment of the Developing Infant Martha C. Piper, Johanna Darrah, 1994 Presents theories of infant motor development and discusses the unique challenges involved in the assessment of the motor skills of developing infants as compared to that of adults. Provides step-by-step instruction for using the Alberta Infant Motor Scale (AIMS)--a new scale that measures infant motor development. Features a review of the major theories of motor development, line drawings and photographs of each movement skill, and a percentile graph enabling the user to plot and infant's score and derive a visual estimate of his/her percentile ranking.

alberta infant motor scale: **Alberta Infant Motor Scale Score Sheets (AIMS)** Martha Piper, Johanna Darrah, 2021-10-13

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physiotherapists, occupational therapists, developmental paediatricians, neuropaediatricians, and paediatric physiatrists.

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Motor Skills Acquisition in the First Year is a descriptive presentation of normal motor development and skill acquisition during the first year of life. It gives a greater understanding of normal motor development and normal movement in infants, in order to treat infants with delayed or aberrant movements. The goal of this book is to inform and enhance knowledge, understanding, and observational skills in the assessment of normal motor development, and to present an analysis of the motor components that babies use to achieve each milestone normally. It provides a background for enlarging the scope of kinesiological analysis and will serve as a stimulus for others to further investigate and analyze the kinesiological aspects of motor development.

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alberta infant motor scale: Motor Assessment of the Developing Infant - E-Book Martha Piper, Johanna Darrah, 2021-08-25 Motor Assessment of the Developing Infant, 2nd Edition presents theories of infant motor development and discusses the unique challenges involved in assessing the motor skills of developing infants as compared to that of adults. It provides step-by-step instructions for using the Alberta Infant Motor Scale (AIMS) — a scale that measures infant gross motor skills. It also features a review of two current theories of motor development, line drawings and photographs of 58 gross motor skills, and a percentile graph to plot an infant's score and derive an estimate of his or her percentile ranking. Clinicians, researchers, and parents/caregivers have all reported satisfaction with both the ease of an AIMS assessment and the strong psychometric properties of the scale. Thus, the descriptors of the 58 motor items and the administration and scoring guidelines have stood the test of time and remain unchanged in this second edition. If you have a general Permissions query or require guidance on how to request permission, please visit Elsevier's Permissions FAQ page (<https://www.elsevier.com/about/policies/copyright/permissions>) where you will find further information, or alternatively you may submit a question via (<https://service.elsevier.com/app/contact/supporthub/permissions-helpdesk/>). For Licensing opportunities, please contact H.Licensing@elsevier.com. - Comprehensive coverage of how to use the Alberta Infant Motor Scale, a standardized measurement scale used to assess the gross motor abilities of infants. - Line drawings and photographs of 58 gross motor skills. - Five copies of the AIMS scoresheet are included with the print edition. - The Alberta Infant Motor Scale is trusted by clinicians and researchers across the globe.

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alberta infant motor scale: The Cambridge Handbook of Infant Development Jeffrey J. Lockman, Catherine S. Tamis-LeMonda, 2020-08-13 This multidisciplinary volume features many of the world's leading experts of infant development, who synthesize their research on infant learning and behaviour, while integrating perspectives across neuroscience, socio-cultural context, and policy. It offers an unparalleled overview of infant development across foundational areas such as prenatal development, brain development, epigenetics, physical growth, nutrition, cognition, language, attachment, and risk. The chapters present theoretical and empirical depth and rigor across specific domains of development, while highlighting reciprocal connections among brain, behavior, and social-cultural context. The handbook simultaneously educates, enriches, and encourages. It educates through detailed reviews of innovative methods and empirical foundations and enriches by considering the contexts of brain, culture, and policy. This cutting-edge volume establishes an agenda for future research and policy, and highlights research findings and application for advanced students, researchers, practitioners, and policy-makers with interests in understanding and promoting infant development.

alberta infant motor scale: Cerebral Palsy in Infancy Roberta B. Shepherd, 2013-09-20 Cerebral Palsy in Infancy is a thought-provoking book which introduces a new way of thinking on the development and use of interventions. Relevant to current practice, it advocates early, targeted activity that is focused on increasing muscle activation, training basic actions and minimizing (or preventing) mal-adaptive changes to muscle morphology and function. The authors present recent scientific findings in brain science, movement sciences (developmental biomechanics, motor control mechanisms, motor learning, exercise science) and muscle biology. This knowledge provides the rationale for active intervention, underpinning the need for an early referral to appropriate services. The book features methods for promoting relatively intensive physical activity in young infants without placing a burden on parents which include assistive technologies such as robotics, electronic bilateral limb trainers and baby treadmills. Cerebral Palsy in Infancy begins by specifying the guidelines for training and exercise, outlining the rationale for such intervention. It goes on to cover the fundamentals of neuromotor plasticity and the development and negative effects of limited motor activity on brain organization and corticospinal tract development. Neuromuscular adaptations to impairments and inactivity are discussed along with the General Movement assessment that can provide early diagnosis and prognosis, facilitating very early referral from paediatric specialists to training programs. The book ends with a section featuring various methods of training with the emphasis on preventing/minimizing muscle contracture, stimulating biomechanically critical muscle activity and joint movement. An ideal clinical reference for those working to improve the lives of infants suffering from cerebral palsy. CONTRIBUTORS: Adel Abdullah Alhusaini (Saudi Arabia); David I. Anderson (USA); Nicolas Bayle (France); Roslyn Boyd (Australia); Giovanni Cioni (Italy); Diane L. Damiano (USA); Janet Eyre (UK); Linda Fetters (USA); Mary Galea (Australia); Andrew M

Gordon (USA); Martin Gough (UK); Richard L Lieber (USA); Jens Bo Nielsen (Denmark); Micah Perez (Australia); Caroline Teulier (France). This book provides a comprehensive overview of the challenges of motor development and the consequent impact of poor motor function in later childhood for infants with cerebral palsy (CP). Reviewed by: Oxford Brookes University on behalf of the British Journal of Occupational Therapy, Dec 2014 conceived and edited by Roberta Shepherd with contributions from internationally renowned expert clinicians and researchers discusses new research and new evidence-based treatment interventions shows how to organize very early and intensive physical activity in young infants to stimulate motor development and growth therapies include the specificity of training and exercise, with emphasis on promoting muscle activity and preventing contracture by active instead of passive stretching methods include new interactive technologies in enhancing home-based training sessions carried out by the infant's family extensive referencing in each chapter for further study chapters feature Annotations which illustrate scientific findings

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alberta infant motor scale: Components of Typical and Atypical Motor Development Lois Bly, 2011-05-18 Ms. Bly presents complex material on typical and atypical development in a step by step fashion, artfully leading the reader to a greater understanding of the multifaceted problems that children with movement dysfunction experience. Clinicians and educators alike will increase their understanding of essential posture and movement components that contribute to overall function and participation, as well as common problems that infants and children develop as a consequence of utilizing compensatory strategies.

alberta infant motor scale: Cerebral Palsy Freeman Miller, Steven J. Bachrach, 2006-05-08 When a child has a health problem, parents want answers. But when a child has cerebral palsy, the answers don't come quickly. A diagnosis of this complex group of chronic conditions affecting movement and coordination is difficult to make and is typically delayed until the child is eighteen months old. Although the condition may be mild or severe, even general predictions about long-term prognosis seldom come before the child's second birthday. Written by a team of experts associated with the Cerebral Palsy Program at the Alfred I. duPont Hospital for Children, this authoritative resource provides parents and families with vital information that can help them cope with uncertainty. Thoroughly updated and revised to incorporate the latest medical advances, the second edition is a comprehensive guide to cerebral palsy. The book is organized into three parts. In the first, the authors describe specific patterns of involvement (hemiplegia, diplegia, quadriplegia), explain the medical and psychosocial implications of these conditions, and tell parents how to be effective advocates for their child. In the second part, the authors provide a wealth of practical advice about caregiving from nutrition to mobility. Part three features an extensive alphabetically arranged encyclopedia that defines and describes medical terms and diagnoses, medical and surgical procedures, and orthopedic and other assistive devices. Also included are lists of resources and recommended reading.

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alberta infant motor scale: OB/GYN Peds Notes Brenda Walters Holloway, Cheryl Moredich, 2016-10-05 Here's the essential clinical information you need to care for obstetric, gynecological, newborn, and pediatric patients in any setting. The 3rd Edition of this popular pocket guide has been thoroughly revised and updated to reflect nursing practice today.

alberta infant motor scale: Canadian Family Medicine Clinical Cards David Keegan MD, 2014-07-21 These are peer-reviewed handy point-of-care tools to support clinical learning in Family Medicine. The content is aligned with SHARC-FM - the Shared Canadian Curriculum in Family Medicine. Objectives and more information is available at sharcfm.com.

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alberta infant motor scale: Physical Activity and Health Promotion in the Early Years Hannah Brewer, Mary Renck Jalongo, 2018-06-19 This book focuses on improving well-being among young children. It provides a theoretical base explaining why physical activity is important, and offers practical strategies for increasing health and well-being in early childhood settings. It takes ancient wisdom on the mind and body connection, applies it to the youngest children, and supports it with current empirical and international evidence—all with an eye toward improving wellness across the lifespan. The many topics discussed in the book include children's motor skills, movement, interaction, physical literacy, the use of video games, dog ownership, developmental delays, as well as strategies to improve physical activities in the classroom and broader contexts. In recent years, children's health has become a priority worldwide. Topics such as "screen time" "sedentary behavior" and "childhood obesity" have become important issues everywhere- in the news, in

schools, in community and commercial settings, and among health care providers. Limiting sedentary behavior, increasing physical activity, and maintaining a nutritious diet are three fundamental needs during early childhood. Preschool years are a time when children begin to explore the world around them, and develop more vivid understandings of their surroundings. As this book shows, the early years may be the best time to teach wellness concepts and assist young children in establishing healthy lifestyle habits.

alberta infant motor scale: Physical Assessment of the Newborn Ellen P. Tappero, DNP, RN, NNP-BC, Mary Ellen Honeyfield, DNP, RN, NNP-BC, 2014-09-01 Physical Assessment of the Newborn, 5th Edition, is a comprehensive text with a wealth of detailed information on the assessment of the newborn. This valuable and essential resource illustrates the principles and skills needed to gather assessment data systematically and accurately, and also provides a knowledge base for interpretation of this data. Coverage addresses: gestational assessment, neurologic assessment, neonatal history, assessment of the dysmorphic infant, and systemic evaluation of individual body systems, as well as key information on behavioral and pain assessment, including the use of specific tools with various groups ranging from term to extremely preterm infants. Numerous tables, figures, illustrations, and photos, many of them in full color, are a major strength that enhances the book's usefulness as a clinical resource. The text is an excellent teaching tool and resource for anyone who performs newborn examinations including nurses, neonatal and pediatric nurse practitioners, nurse-midwives, physicians and therapists. It can also serve as a core text for any program preparing individuals for advanced practice roles in neonatal care. KEY FEATURES: An authoritative and renowned text that comprehensively addresses all key aspects of newborn assessment Provides a well-ordered evaluation of individual body systems. Assists the practitioner in identifying infant state, behavioral clues, and signs of pain, facilitating individualized care. Comprehensively addresses the tremendous range of variation among newborns of different gestational ages. The content is amplified by numerous photos and illustrations, many in full color Includes Power Point slides and an Image Bank

alberta infant motor scale: Paediatric Neurology Rob Forsyth, Richard W. Newton, 2012-07-26 Paediatric Neurology contains all the necessary guidance to investigate, diagnose and treat many of the common and rare neurological conditions in paediatrics. Each condition is covered by its own topic providing information on symptoms and signs, complications and emergency intervention. Other contents include: anatomical diagrams for quick and easy reference; expert guidance on drug usage in paediatric neurology; highlighted emergencies section; and, North American perspectives on management.

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alberta infant motor scale: Developing Norm-Referenced Standardized Tests Lucy Jane Miller, 2020-02-13 Transform your ideas and data into norm-referenced standardized tests with this "how-to" manual. Edited by the author of the Miller Assessment for Preschoolers (MAP), a nationally standardized, norm-referenced test, Developing Norm-Referenced Standardized Tests is designed specifically for occupational and physical therapists who have an interest in conducting research,

either with established scientists or independently in order to pursue questions of interest. This unique volume leads the reader through the process of test development step-by-step, including identification of a concept that should be subjected to testing, development of appropriate test items, and the procedures for standardizing a norm-referenced test. Not only will professionals learn to develop new tests, but they will also increase their understanding of the process of test development for instruments which are already available.

alberta infant motor scale: *The Neurological Assessment of the Preterm and Full-term Newborn Infant* Lilly M. S. Dubowitz, Victor Dubowitz, Eugenio Mercuri, 1999-01-26 This is the second edition of the manual describing this popular and practical tool for the clinical neurological examination of the newborn. In addition to a number of developments on the original scheme in the light of clinical and research experience, the new manual also facilitates the recording and performance of the examination by providing clear information on its administration aided by illustrative diagrams. New sections include a simplified version of the examination suited to inexperienced staff, applicable both for screening and for use in developing countries; a revised proforma that may be used for the follow-up of infants beyond the neonatal period; and a new section describing clinical patterns in newborns with brain lesions and their correlation with imaging and neurological findings. Scoring tables are included in the back of the book.

alberta infant motor scale: *Perceiving the Affordances* Eleanor J. Gibson, 2001-06 *Perceiving the Affordances* is a personal history and intellectual autobiography of Eleanor Gibson, the groundbreaking research psychologist who was influential in the founding of the theory of perceptual development. It is also a biography of her husband, James J. Gibson, who was a major perceptual theorist and the founder of the ecologically-oriented theory of perception. This is the story of their lives together and how each came to make particular contributions. This book is of interest to people who study perception, perceptual development, infancy, developmental psychology, and the history of psychology.

alberta infant motor scale: Developmental Cascades Lisa M. Oakes, David H. Rakison, 2020 *Developmental Cascades* proposes a new framework for understanding development by arguing that change can be explained in terms of the events that occur at one point in development, which set the stage or cause a ripple effect for the emergence or development of different abilities, functions, or behavior at another point in time. This framework is applied in detail to three domains within infant cognitive development--namely, looking behavior, object representations, and concepts for animacy.

alberta infant motor scale: Bayley-III Clinical Use and Interpretation Lawrence G. Weiss, Thomas Oakland, Glen P. Aylward, 2010-07-19 One of the most widely used assessments of infants and toddlers, the BAYLEY-III measures the major areas of development including cognitive, language, motor, social-emotional, and adaptive functioning. This book provides an introduction into use of the BAYLEY-III in each of these five areas. For each of these areas, individual chapters cover the relevant test content, administration, scoring, interpretation, strengths / concerns, and uses in clinical populations. Each chapter also includes a real life case study demonstrating typical performance of a child with delays one of the five areas of development. The book concludes with a special chapter on procedures for brief neurodevelopmental screening of infants in pediatric settings. Covering all major areas of development, the book is informative for a wide range of professionals who use the BAYLEY-III to evaluate development of infants and toddlers from multiple perspectives including psychology, speech and language, and occupational/physical therapy. - Provides an overview of the theoretical background and structure of BAYLEY-III written by the lead Research Director - Introduces practitioners to the test content in each of the five major areas of child development covered by the BAYLEY-III: cognitive, language, motor, social-emotional, and adaptive functioning - Readers will learn how to competently administer, score, and interpret each of the five scales in the BAYLEY-III - Explains the strengths and limitations of the test in each of the five areas it measures - Instructs readers on uses of the test in specific clinical populations - Includes five case studies showing typical patterns of children delayed in one of the five areas of development - Concludes with a special chapter on neurodevelopmental screening procedures in pediatric

settings

alberta infant motor scale: HELP for Preschoolers , 1995 Ce document propose des objectifs éducatifs et de comportement qui s'adresse à de jeunes enfants d'âge préscolaire. Basé sur le Hawaii Early Learning Profile tout comme le Behavioral Characteristics Progression (BCP), cette évaluation du développement de l'enfant touche le développement cognitif, le langage, la motricité, la psychomotricité, l'adaptation sociale ainsi que l'autonomie dans les activités de la vie quotidienne.

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alberta infant motor scale: Pediatric Physical Therapy Jan Stephen Tecklin, 1994-01-01 Now thoroughly updated, this Third Edition provides an overview of the knowledge and skills required for current practice in the physical rehabilitation of children. Readers will learn to integrate essential information into a physical therapy evaluation and treatment plan. Organized by disability and diseases, then by specialty, the text addresses the most current information on each disability, and presents evaluation techniques and suitable interventions. Unlike other books, this unique guide covers neurological disorders, neuromuscular problems, developmental disabilities, orthopedic and cardiopulmonary disorders -- all in chapters written by recognized experts. Noteworthy in this edition: coverage of orthopedic and limb deficiency, traumatic brain injury, cerebral palsy, spina bifida, and assistive devices.

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