

























MEET ADRIAN

Adrian is 8 years old this year. He enjoys drawing, playing catch with his friends and is particularly good with Lego. He may seem like your typical playful schoolboy who is full of energy.

This booklet has been written to provide you with some practical coping strategies for day-to-day situations. We hope it will answer some of the questions you may have about ADHD and give you the confidence to support your child, and help them overcome any difficulties they may face. If you have any further questions or concerns about your child's ADHD, please contact your doctor or healthcare professional for advice.



- pg. []2 []3 🕞 Be clear on ADHD
- pg. 🛛 4 🚺 5 💿 Diagnosis of ADHD
 - The impact and consequences of ADHD at different stages
 - Are you ready?

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ADHD stands for ATTENTION 7 DEFICIT 4 HYPERACTIVITY 4 DISORDER

The causes have not been established but

IT IS COMMONLY THOUGHT TO HAVE A GENETIC LINK



TREATMENT

IT IS A COMPLEX NEUROBIOLOGICAL DISORDER²

ADHD is a neurobiological disorder. Research shows strong evidence that the malfunction of Dopamine and Norepinephrine (neurotransmitters) play a large role in ADHD-type behaviours.¹



children are diagnosed with ADHD³



AFFECTS MORE BOYS THAN GIRLS

References: 1) "The genetics of ADHD: A literature review of 2005" Khan SA, Faraone SV, Curr Psychiatry Reg B(5):393–7. 2006. 2) "ADHD A Complete and Authoritative Guide" Michael L. Reift, MO, FAAP with Shemil Tippins, P4, Apublished by The American Academy of Pediatrics 2004. 3) American Psychiatric Association. Diagnostic and Statistical Manual of Mental Disorders, Fith edition: DSM-5. Washington: American Psychiatric Association. 2013. 4) NCHS Data Brief No. 70 August 2011 "Attention Deficit Hyperactivity Disorder Among Children" Aged 5–17 Years in the United States, 1398–2005. Lara J. Akinbami, M.D.; Xiang Liu, M.Sc; Patricia N. Pastor, Ph.D.; and Cynthia A. Reuben, M.A. 5) "Attention-Deficit/Hyperactivity Disorder" by Mary Fowler, National Dissemination Center for Children with Disabilities (NICH), Page 15, 18–19, FSH3, 3rd Edition, April 2002, Resources updated 2004.





ADHD cannot be detected from any laboratory tests. No urinalysis, blood test, CAT scan, MRI, EEG, PET or SPECT scan can help to diagnose the disorder. The diagnosis is made on the basis of observable behavioural symptoms, in more than one setting.

EARLY WARNING SIGNS²

Frequently exhibits ADHD symptoms – inattentive, impulsivity, hyperactivity or any similar behavioural problems.

GATHER MORE INFORMATION

- 1. Your child's withdrawn behaviours or frequent disciplinary problems seem to be more than the usual difficulties of childhood.
- 2. Schedule a meeting as soon as possible with the school counsellor and teachers. They are able to:
 - observe your child's behaviour in group settings.
 compare your child's behaviour against children of the same age groups.

EVALUATION

A doctor is able to give a careful evaluation of your child's behavioural problems using The American Academy of Pediatrics' (AAP) recommended guidelines.

3

THE PROCEDURE'

4

AAP (2000) recommends that clinicians collect the following information:

- **1.** A thorough medical and family history.
- **2.** A medical examination for general health and neurologic status.
- **3.** A comprehensive interview with the parents, teachers and child.
- Standardized behaviour rating scales, including ADHD specific ones completed by parents, teachers, and the child when appropriate.
- 5. Observation of the child behaviour.
- 6. A variety of psychological tests to measure IQ and social and emotional adjustment. These tests also help to determine the presence of specific learning disabilities, which can cooccur with ADHD.



References: 11 "Attention-Deficit/Hyperactivity Disorder" by Mary Fowler, National Dissemination Center for Children with Disabilities (NICHY), Page 6 F514, 3rd Edition, April 2002, Resources updated 2004: 0" ADH0 A Complete and Authoritative Guide" Michael I. Reiff, MO, FAAP with Sherill Tippins, Pg 20, Pg 24, Pg 25, Pg 31, Pg 35, Pg 36, published by The American Academy of Pediatrics 2004.

LEVEL OF FUNCTIONS²

By considering the child's current level of functioning and the extent in which a child's behaviour interfere with his/her ability to function in social settings, the doctor or other health professionals can begin to arrive at a better idea of whether ADHD is the best explanation for the problems.

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ADHD OR COEXISTING PROBLEM OR BOTH²

Two thirds of children with ADHD have one or more co-existing conditions – e.g. depression, anxiety, learning disabilities, and language disorders. It is important to consider that such accompanying disorders can have a profound effect on how well your child functions behaviourally, emotionally, socially, and academically.

Healthcare professionals working with your child will carefully consider whether such disorders may be your child's central challenge. To determine this, further evaluation, including referrals to other specialists, may be necessary.





The effect of ADHD on the life of an individual, their family, and community from preschool to adult life.¹⁰

FAMILY RELATIONSHIP HEALTHCARE SYSTEM to $\mathbf{L}\mathbf{X}$ more hospital more car and ER visits² more parental more accidents¹ divorce/separation7 sibling fights⁸ **EMPLOYER** absenteeism (() and low SCHOOL AND OCCUPATION **productivity**^{*} SOCIETY suspended³ drop out³ Substance Use Disorders earlier onset less likely more to quit in adulthood⁶ risk⁵ low occupational status⁴ speeding tickets¹ 6 Ħ more es: 1) U.S. Department Of Health and Human Services, National Institutes of Health. NIH Publication No. 12-3572. Revised 2012 2) Use and Costs of Medical Care for Children and And enclosed so that a second so that and main and main and sources on participation of the second source sources and costs of the second sources and cost of the second sources and cost

of the American Medical Association (Impact Factor. 29 98), 01/2001; 285(1):60-E. 001:01001/jama.285:1.60.3) ADH Di n Adults: What the Science Says⁵ Pg 246, By Russell A. Barkley, Kevin R. Murphy, Martellen Fischer 4) Childhood attention problems and sociecoconomic status in adulthood: 19-year follow-up Cé rife Calér 'n, Amurel-Pierre Bouvard, Cire' gory Michel, Evelyne Touchette, Eric Fombonne and Maria Melchior The British Journal of Psychiatry (2012) 201, 20-25. doi: 10.1192/bj.pb.pl.11.102491 5) Substance Abuse in Patients With Attention-Deficit/Hyperactivity Disorder Occar Bukstein, MO, Associate Professor Medscape J. Med. 2008; 10(1): 24 6) J AM Acad Child Adolesc Psychiatry. 2011 June : 50(6): 543-553. doi:10.1016/j.jaac.2011.01.021. 7) Wymbs B, Pelham W, Molina B, Gnagy E, Wilson T, Greenhouse J. Rate and predictors of divorce among parents of youths with AdvIn-DJ June : 50(6): 543-553. doi:10.1016/j.jaac.2011.01.021. 7) Wymbs B, Pelham W, Molina B, Gnagy E, Wilson T, Greenhouse J. Rate and predictors of divorce among parents of youths with AdvIn-DJ June : 50(6): 57-744. Available Torm: PsycARTICES, Ipswich, MA Accessed June 24, 2014. 6) Sibling Interactions of Hyperactive and Normal Children and Their Relationship to Reports of Maternal Stress and Self-Esteem. Eric J. Mash and Chariotte J. Thomas K. Urger J. Amas B, Takey E, Ante And June : 50(6): 58-744. Available June : 50(6): 58-537-84. Available June : 50(6): 58-537-84. June : 50(6): 50(7):

POSITIVE ATTITUDE

Have a sense of humor - there are many challenges so you need a double dose of this.

COMMON SENSE[®]

Keep things in perspective and refrain from being a perfectionist.

ORGANISE^{*}

Organise your life in ways that will allow you to manage your family's challenges.

BELIEVE IN THEM'

Most of the unacceptable behaviours are unintentional so believe that they can learn, change, mature and succeed.

SUCCESSFUL PEOPLE WITH ADHD



Michael Phelps



Whoopi Goldberg



MENTA

Sir Richard Branson

BELIEF SYSTEM

Changing the way you view your child will help them change their self-concept.

TAKE CARE OF YOURSELF

Eat right, keep fit, beat stress, remember to seek support when you need help, take a break when you are feeling a little exhausted.

KNOWLEDGE

Be scientific, question everything, remain open to new information, seek knowledge and be voracious about it.

ACCEPTANCE

Accept what your child is and may become, and, equally important, what your child is not and may never be.

References: 1) "Attention-Deficit/Hyperactivity Disorder" by Mary Fowler, National Dissemination Center for Children with Disabilitties (NICHY), Page 14 FS14, 3rd Edition, April 2002, Resouces updated 2004, 2) "ADHD A Complete and Authoritative Guide" Michael L Relif, MD, FAAP with Sherill Tippins, Bg 96, published by The American Academy of Pediatrics 2004, 3) Taking Charge of ADHD, Third Edition: The Complete, Authoritative Guide for Parents by Russell A. Barkley Page 208,4) Taking Charge of ADHD, Third Edition: The Complete, Authoritative Guide for Parents by Russell A. Barkley Page 12 ST Staing Charge of ADHD, Third Edition: The Complete, Authoritative Guide for Parents by Russell A. Barkley Page 208,4) Taking Charge of ADHD, Third Edition: The Complete, Authoritative Guide for Parents by Russell A. Barkley Page 153

PREPARATION





"The largest study of long-term treatment for ADHD (Multimodal Treatment Study) found that stimulants used as the sole form of treatment lead to significantly better results for the core symptoms of ADHD than behaviour therapy used alone. A combination of the 2 approaches lead to the best overall improvement, especially in the areas of oppositional and aggressive behaviour, social skills, parent-child relations and in some areas of academic achievement."^{2,3}

References: 11 ADHD A Complete and Authoritative Guide⁴ Michael I. Reff, MD, FAP with Sherill Tippins, published by The American Academy of Pediatrics 2004, Pg 55 21 ADHD A Complete and Authoritative Guide⁴ Michael I. Reff, MD, FAP with Sherill Tippins, published by The American Academy of Pediatrics 2004, Pg 56 30 Pediatrics. 2004 Apr;113(4):754-61. National institute of Menial Health Multimodal Treatment Study of ADHD follow-up: 24-month outcomes of treatment strategies for attention-deficit/hyperactivity Giorder. 11 ADHD. Clinical Practice Guideline for the Diagnosis. Evaluation, and Treatment of Attention-Deficit/Hyperactivity Disorder in Children and Addocscents. SUBCOMMITTEE ON ATTENTION-DEFICIT/HYPERACTIVITY DISORDER, STEENING COMMITTEE ON QUALITY IMPROVEMENT AND MANAGEMENT. Pediatrics, originally published online October 16, 2011. 2010. 10.1542/geds. 2011-2654 30 'Attention-Deficit Hyperactivity Disorder Recent Advances in Paediatric Pharmacotherapy Diane E. May and Christopher J. Kratochvil Department of Psychiatry. University of Nebraska Medical Center, Omaha, Nebraska, USA 00 OROS MPH: Comparison to Ritalin LA (Mini-Publish Rendition) 7) Novarits Pharma, Ritalin PI January 2014 0) Concerta PJ, Jun2011 0) "Short-acting versus Long-acting Medications for the Treatment of ADHD' Elisa Cascade, Amiri H. Kalali, MD, and Richard H. Weisler, MD 10/ YADHD A Complete and Authoritative Guide' Michael I. Reff, MD, FAAP with Sherill Tippins, published by The American Academy of Pediatrics 2004 Pg 54 11 'ADHD A Complete and Authoritative Guide' Michael I. Reff, MD, FAAP with Sherill Tippins, published by The American Academy of Pediatrics 2004 Pg 70 120 APHD A Complete and Authoritative Guide' Michael I. Reff, MD, FAAP with Sherill Tippins, published by The American Academy of Pediatrics 2004 Pg 70 120 APHD A Complete and Authoritative Guide' Michael I. Reff, MD, FAAP with Sherill Tippins, published by The American Academy of Pediatrics 2004 Pg 70 120 APHD Pediatrics 2004 Pg 70 120 APHD Pediatrics 2004 Pg 70 1



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Stimulants work by stimulating the brain to make slightly more of the brain chemicals (neurotransmitters) that help us focus, control our impulses, organize, plan, and stick to routines. The use of stimulants can be compared to wearing glasses for a person with poor vision, because stimulants help "put things into focus" for a child. Far from making a child someone he is not, stimulants act as medication that can help many children with ADHD be who they are.^{10,11}

Stimulants are considered effective and safe medications. Despite controversies of potential abuse, there is no evidence that stimulants produce "euphoric" effects in children when restricted to normal treatment. Furthermore, research has shown that stimulant therapy in childhood is associated with a reduced risk for subsequent drug and alcohol use disorders.^{12,13}

Non-stimulants may also be prescribed as an alternative treatment for ADHD, especially when there is comorbid ADHD and tic disorder.¹⁴ Because non-stimulants are newer, the evidence base that supports them is considerably smaller than that for stimulants. Nonetheless, research has shown that non-stimulants are generally effective in the treatment of ADHD in the longer term but with a smaller effect size than stimulants.¹⁵

ISSUES CONFRONTING

A child's day encompasses a full active day. As a consequence,



and quality of life7,8,11

References: 1. CONCERTA^A Approved Product Information, September 2012. 2. Feldman M, Bélanger S. Extended-release medications for children and adolescents with attention-deficit hyperactivity disorder. Paediatr Child Health. 2009 Nov;149:593–602. 3. Coghill D et al. Impact of attention-deficit/hyperactivity disorder on the patient and mily: results from a European survey. Child Adolesc. Psychiatry Ment Health. 2008 0ct 28;21(3):1.4. Barbaresi W et al. Modifiers of long-term school outcomes for children with attention-deficit/hyperactivity disorder: does treatment with stimulant medication make a difference? Results from a population-based study. J Dev Behav Pediatr. 2007 Aug;28(4):274–87. S. Abikoff H et al. Effects of AMPH-OROS on the organizational, time management, and planning behaviours of children with ADHD. J Am Acad Child Adolesc Psychiatry. 2009 Feb;48(2):166–75. G. Wigal SB et al. Academic, behavioural, and cognitive effects of OROS^{*} methylphenidate on older children with Attention-deficil/hyperactivity disorder. J Child Adolesc Psychiatry. 2009 Feb;48(2):166–75. G. Wigal SB et al. Academic, behavioural, and planning behavioural. Children with attention-deficil/hyperactivity disorder. J Child Adolesc Psychiatry. 2009 Feb;48(2):166–75. G. Wigal SB et al. Academic, behavioural, and planning behavioural. Children with attention-deficil/hyperactivity disorder. J Child Adolesc Psychiatry. 2009 Feb;48(2):166–75. G. Wigal SB et al. Academic, behavioural, and planning behavioural. Children with ADHD. J Am Acad Children vith AdVelsc. Psychiatry. 2009 Feb;48(2):166–75. G. Wigal SB et al. Academic, behavioural, and planning behavioural. 2011 Apr;21(2):21–31.



Co-operation with parents and siblings^{7,11}





References: 7. Builelaar J, Medori R, Treating attention-deficit/hyperactivity disorder beyond symptom control alone in children and adolescents a review of the potential benefits of longacting stimulants. Eur Child Adolesc Psychiatry. 2010;19:325–40. Berek M et al. Improved functionality, health related quality of life and decreased burden of disease in patients with ADHD treated with OROS' MPH: is treatment response different between children and adolescents? Child Adolesc Psychiatry Ment Health. 2011 Jul 26:526. doi: 10.1186/JT53-2000-5-26. 9. Genew H et al. Tolerability and effects of OROS' MPH (Concerta) on functioning, severity of disease and quality of life in children and adolescents with ADHD: results from a prospective. noninterventional trial. Atten Def Hyp Disord 2009 1:175–186. 10. Swensen A et al. Incidence and Costs of Accidents Among Attention-Deficit/ Hyperactivity Disorder Patients. 11. Harpin VA. The effect of ADHD on the life of an Individual, their family, and community from preschool to adult life. Arch Dis Child. 2005 Feb;90 Suppl 1:2-7.

5





Your child needs to understand and take ownership of his challenges and thus, education is a critical element of treatment at every stage of development.¹



Children often see their diagnosis as a stigma and their treatment plan as something imposed on them instead of seeing themselves as active participants.²



Be your child's best advocate. As you discover new ways to facilitate positive behaviours, learning and self-esteem, pass it on to others in his life.³



Do not let him use ADHD as an excuse. Focus on what he can do rather than what he cannot. This helps him build optimism and confidence.⁴



Your child is NOT doomed to a life of failure if you don't protect him from every danger and solve every problem for him. ⁵



Monitoring your child's behaviour is a basic parenting responsibility but do not overdo it. Don't "snoop" on your child. 5



Use "Structured Choices". For example, "Do you want to do your math or your science assignment next?"⁶



Make rules and enforce them. Expect rule-breaking, respond like a police officer, be respectful, consistent, and matter-of-fact. ⁶



Even with the ideal intervention in place, most children will likely still struggle at times. Don't expect too much from your child or yourself.⁵



5 "Mothering Without Smothering: How to Avoid Being An Overprotective Parent" Peter Jaksa, Ph.D. 6) "Parenting Kids with ADHD: 16 Tips to tackle Common Challenges" Published by Psych Central, Reviewed by John M. Grohol, Psy.D. 2013



EFFECTIVE BEHAVIOUR TECHNIQUES



- Provide rewards/privileges
- Dependent on the child's performance

TIME-OUT 🥢

- Remove access to positive
- reinforcement - Contingent upon the performance of unwanted/problem behaviour

RESPONSE COST 💋

 Withdraw rewards/privileges
 Contingent upon the performance of unwanted/problem behaviour Child: Completes an assignment Reward: Earns play-time on the computer

Child: Hits sibling impulsively Deterrent: Sits in the corner for 5 minutes

Child: Not completing homework Deterrent: Loses free-time privileges



- The child earns rewards/privileges
 Contingent upon the performance of desired behaviours
- This type of positive reinforcement can be combined with response cost (where a child loses rewards/ privileges for undesirable behaviour)

usually 1 minute per year of the child's age.²

Child: Completes tasks and assignments - Earns stars Child: Gets out of the seat -Losses stars Cashes in the sum of stars at the end of the week for a prize

USING TIMEOUT[°]

Before instituting, explain purpose of time-out

Warning with a specific time for compliance

3 Non-Compliance, firmly and calmly send him to time-out Tell him how many minutes and set a timer. Do not negotiate

Many studies have shown that spanking is a less effective strategy than time-out or removal of privileges. In addition, spanking can lead to agitated or aggressive behaviour, physical injury, or resentment toward parents. Time-out involves sending the child to a specified room for a preset time-

> 5 Some experts suggest adding another minute each time he leaves the timeout space



After time-out, make a point to help your child reflect on what he did wrong and how he can choose differently next time.



Children with ADHD need to be told what to do in a clear, straightforward and nonemotional way if they are to learn to control their actions. You can give effective commands and instructions by

MINIMIZING DISTRACTIONS

Turn off or ask the child to turn off the television or computer. If you are in a noisy setting, move to somewhere quieter.

ESTABLISHING GOOD EYE CONTACT

Fully engage by making good eye contact. It helps to touch a younger child's arm or hold his hand before addressing him.

CLEARLY STATING THE COMMAND

State your command in a simple, nonemotional statement and not as a question. Eg. "You need to stop pushing your brother now." instead of "Would you please stop pushing your brother?". If behaviour does not stop, follow with a warning. Always keep a firm and neutral tone, refrain from shouting or looking angry.



 Do not be tempted to "let it slide" as it will reduce the effectiveness of this

method in future

60 to 80% of students with ADHD underachieve academically because of problems with work production and consistency. Only 20% have specific learning disabilities such as reading disorder, mathematics disorder, or expressive language disorder that are separate from their ADHD symptoms.²

At the start of each academic year, meet with your child's teachers to inform them of your child's condition. Keep the communication lines open all year.

Routines and Systems^a

Setup after-school routines that include sports, and homework and stick to it. Use charts and checklists to help your child track his progress with chores and homework. Keep instructions brief^a

Planning & Organisation¹

- Have daily and weekly organization and clean-up routines
- Check frequently on work and system of organization
- Teach your child to use a daily planner and a task organizer.
- Limit number of folders used

Starting and Finishing Tasks

- Allow the child choice in tasks
- Divide larger tasks into easily completed segments.

Г	Checklist
	:



Improving Their Memory¹

- Focus on one concept at a time
- Teach them memory strategies
 (grouping, chunking, mnemonic devices)
- Provide summaries, study guides
 and outlines

References: 1) "Attention-Deficit/Hyperactivity Disorder" by Mary Fowler, National Dissemination Center for Children with Disabilitties (NICHY), Page 15, 18–19, FS14, 3rd Edition, April 2002, Resources updated 2004, 2) 'ADHD A Complete and Authoritative Guide' Michael L Relff, MD, FAAP with Sherili Tippins, published by The American Academy of Pediatrics 2004, Pg 158 3) Pg 99, 100, 190 4) Pg 161 S) Teaching Children with Attention Deficit Hyperactivity Disorder: InstructionalStrategies and Practices By: Office of Special Education Programs (ED/DSERS), US Department of Education, 2008 40 pp. (EDS02960)







PROVIDE STRUCTURE

Picture your growing child as a building in progress, the limits, lists, routines and other measures you put in place are like scaffolding that will provide necessary support as he grows.¹





Keep your child on a daily schedule - try to keep the time for various activites about the same each day.

1

Tips for structuring your child's home environment²



Cut down on distractions – distractions for each child is different, as you identify them, eliminate them one by one. Organize Your Home - have specific logical places for your child to keep his toys, schoolwork and clothes and he is less likely to lose them.

3

4 Use charts and checklists -Keep instructions brief, offer frequent, friendly reminders and make sure each task has

been completed.

Limit Choices - Help your child learn to make good decisions by giving 2 or 3 options at a time.

5

6

Set small, reachable goals - This is to help the child understand that he can succeed by taking small steps and building on those successes.



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WEBSITES

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