

Living Better for Longer

Facilitating a Coordinated
Multidisciplinary approach to MND
through 'one stop shop' online resources

Carol Birks
MND Australia

Living better for longer



- early diagnosis
- optimal symptom management
- timely referrals
- Multi/interdisciplinary team approach
- timely interventions

Symptom management



- respiratory
- swallowing
- communication
- movement and joints
- cognition
- emotional lability
- fatigue
- insomnia

Wellbeing and support needs



- planning financial, legal, advance care
- information
- daily living and mobility
- equipment
- personal and home care
- psychosocial and spiritual needs depression, anxiety, loss, bereavement, intimacy, isolation, social support
- carer wellbeing and support
- children and families

Health professionals and community care workers



Significantly involved in each person's care

4-12 health professionals involved in the care of each person with MND (MND NSW)

- community/aged care worker and case manager
- dietitian
- general practitioner
- MND Association regional/care advisor
- neurologist
- occupational therapist

- palliative care team
- physiotherapist
- respiratory specialist
- registered nurse, MND nurse, clinical nurse consultant or clinical nurse specialist
- social worker, psychologist, counsellor
- speech pathologist

Objectives:



To assist people living with ALS/MND to live better for longer by providing:

- 1. 'one stop shop' ALS/MND online resources:
- 2. easily accessible referral pathways
- 3. easily accessible ALS/MND information to health and community care professionals working in Australian regional and remote areas.

Sources of evidence



Timely intervention and referral improves

survival and quality of life
of people living with MND

Evidence-based guidelines



Systematic reviews



Andersen and others 2007, Chio and others 2009, Miller and others 2009, Orrell 2010

Getting research into practice



- MND Australia
 - Living Better For Longer project
- Funder
 - Australian Government Department of Health and Ageing

Steering committee



Carol Birks - Project Manager, National Executive Director, MND Australia

Rod Harris - CEO, MND Victoria

Graham Opie - CEO, MND NSW

Penny Waterson - Project Officer, Information Resources Coordinator, MND NSW

Expert review panel



Dr Peter Allcroft - Respiratory and Palliative Care Physician,
Southern Adelaide Palliative Care Services, Repatriation Hospital
MND Clinic, MND SA board member, South Australia

Jennene Arnel - MND Victoria/Tasmania Regional Advisor, Tasmania, Social Worker

Bronwyn Binnington - Occupational Therapist, Clare Holland House Hospice, ACT

Sara Feldman - Physical Therapist MDA/ALS Center of Hope Drexel University College, USA

Professor Matthew Kiernan - Neurologist, University of NSW, Prince of Wales Hospital MND Multidisciplinary Clinic, NSW

Expert review panel (cont'd)



Maryanne McPhee - Speech Pathologist, MND Centre, Calvary Health Care Bethlehem, Victoria

Nicole Hutchinson - Clinical Nurse Consultant, Royal Brisbane and Women's Hospital MND Clinic, Queensland

Margherita Nicoletti - Palliative Care Physician, WA
Neurosciences network and WA MND Model of Care,
MNDWA board member, Palliative Care Australia,
Western Australia

Heather Wieland - National Rural Health Alliance and National President of the Country Women's Association of Australia



Home



Welcome to MNDcare - the website for Australian health and community care professionals involved in motor neurone disease care and support.

No matter where you work, MNDcare will help you to

- assess the needs of the person with MND and their carer
- get evidence based and best practice MND information
- make referrals to the right provider at the right time
- provide a coordinated, multidisciplinary team approach to MND care

Find out more about motor neurone disease...

Motor neurone disease (MND) which is known as amyotrophic lateral sclerosis (ALS) in many other parts of the world, and as Lou Gehrig's disease in the USA, is a progressive neurological disease. read more

What is the MNDcare approach?

Motor neurone disease is very different for every person diagnosed. MND may start in different areas of the body and progress in different patterns and at different rates. <u>read more</u>

Strategies you can use to sensitively communicate the diagnosis of motor neurone disease

Prognostic and end-of-life communication is a vital skill for health care professionals caring for patients with progressive life-limiting illnesses, and their families. read more

Is non-invasive positive pressure ventilation beneficial for people with MND?

An important intervention, which clinical experience suggests is beneficial for patients with ALS/MND, is non-invasive ventilation (Orrell 2010), read more



Featured content



Palliative Care Victoria

Vodcast - Interview with Rod Harris: Motor Neurone Disease (MND) and palliative care, Rod

Harris has been CEO of MND Victoria since 1993, <u>read more</u>

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EMAIL ADDRESS		SUBMIT

New

- McCabe and O'Connor 2010.
- Palliative Care Australia 2008

Updated

- MNDcare approach
- Getting started
- Overview

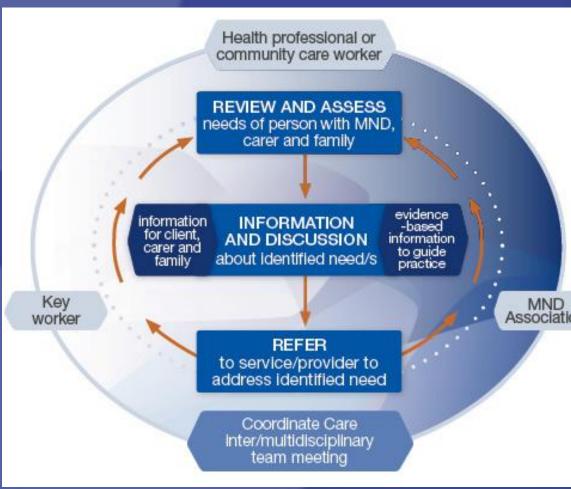
Referral Pathways

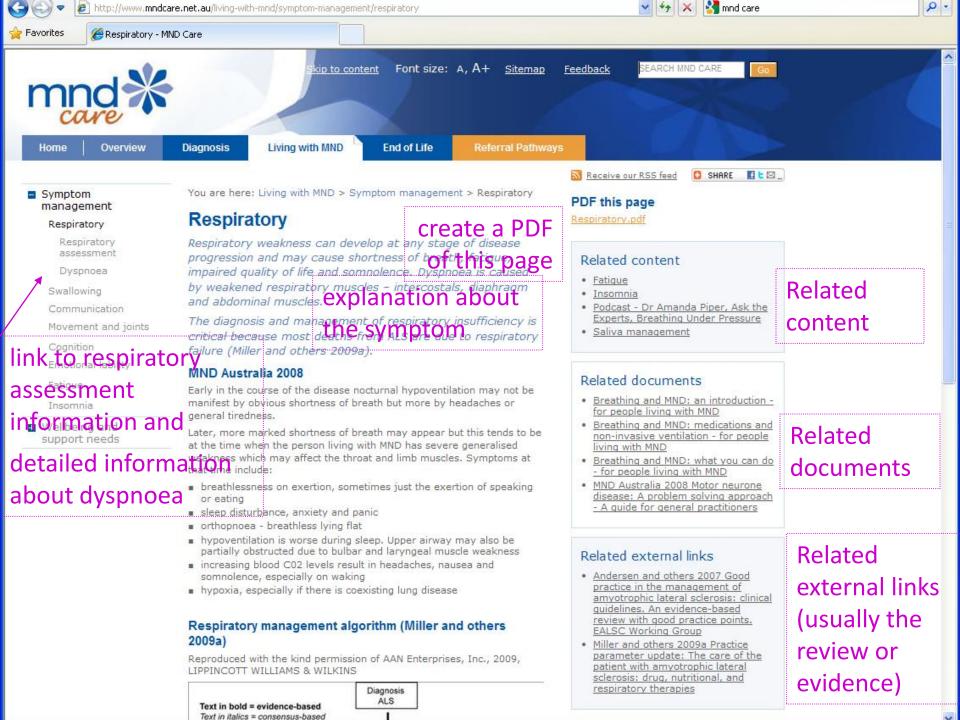
click on a state or territory

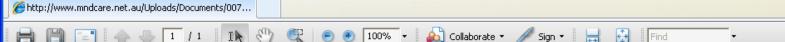
MNDcare Approach www.mndcare.net.au



- assess the needs
 of the person with
 MND and their
 carer
- 2. get evidence based and best practiceMND information









Respiratory

Respiratory weakness can develop at any stage of disease progression and may cause shortness of breath, fatigue, impaired quality of life and somnolence. Dyspnoea is caused by weakened respiratory muscles – intercostals, diaphragm and abdominal muscles.

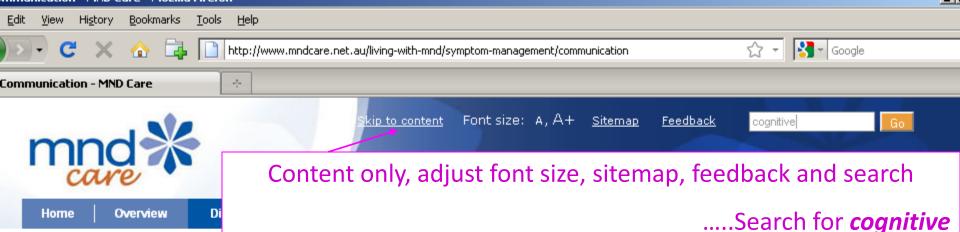
The diagnosis and management of respiratory insufficiency is critical because most deaths from ALS are due to respiratory failure (Miller and others 2009a).

MND Australia 2008

Early in the course of the disease nocturnal hypoventilation may not be manifest by obvious shortness of breath but more by headaches or general tiredness.

Later, more marked shortness of breath may appear but this tends to be at the time when the person living with MND has severe generalised weakness which may affect the throat and limb muscles. Symptoms at that time include:

- · breathlessness on exertion, sometimes just the exertion of speaking or eating
- · sleep disturbance, anxiety and panic
- · orthopnoea breathless lying flat
- hypoventilation is worse during sleep. Upper airway may also be partially obstructed due to bulbar and laryngeal muscle weakness
- increasing blood CO2 levels result in headaches, pausea and somnolence, especially on waking



Symptom management

Respiratory

Swallowing Communication

Communication assessment

Dysarthria

Movement and joints

Cognition

Emotional lability

Fatigue

Insomnia

 Wellbeing and support needs You are here: Living with MND > Symptom management > Communication

Communication

Dysarthria (impairment of speech production) is caused by weakness and paralysis of the lips, facial muscles, tongue, larynx, and pharynx resulting from affected trigeminal, facial, glossopharyngeal, vagus, accessory and hypoglossal cranial nerves. Weakness of the muscles of respiration will also impact on speech volume. These symptoms require a coordinated, multidisciplinary approach and regular review (MND Australia 2008).

MND Australia 2008

Effects of dysarthria

- slurring, hoarseness and weak voice which may progress to total loss of speech (anarthria)
- poor communication ability can lead to:
 - isolation communication inadequate or avoided
 - exclusion from social interaction as speech becomes difficult/impossible to understand
 - frustration for both communication partner and person with MND communication may need extra need time which may not be available
 - fear and anxiety unable to discuss their fears and concerns
 - low self-esteem others assume deafness and shout or assume intellectual impairment
 - . loss of control and increasing vulnerability because misunderstood

PDF this page

Communication.pdf

Receive our RSS feed

Related content

- <u>Augmentative and assistive</u> communication (AAC) devices
- · Communication assessment
- Communication support strategies

SHARE # W M

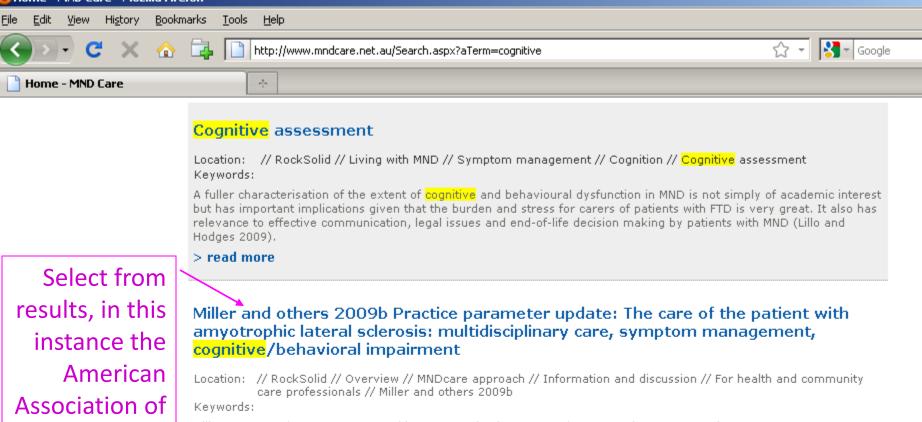
Swallowing

Related documents

 MND Australia 2008 Motor neurone disease: A problem solving approach
 A quide for general practitioners

Related external links

 Tomik and Guiloff 2010 Dysarthria in amyotrophic lateral sclerosis: a review



Miller, R. G.; Jackson, C. E.; Kasarskis, E. J.; England, J. D.; Forshew, D.; Johnston, W.; Kalra, S.; Katz, J. S.; Mitsumoto, H.; Rosenfeld, J.; Shoesmith, C.; Strong, M. J.; Woolley, S. C. and Quality Standards Subcommittee of the American Academy of Neurology (2009b), Practice parameter update: The care of the patient with amyotrophic lateral sclerosis: multidisciplinary care, symptom management, and cognitive/behavioral impairment (an evidence-based review): report of the Quality Standards Subcommittee of the American Academy of Neurology.', Neurology 73(15), 1218--1226.

> read more

Neurology

Parameter

ALS Practice

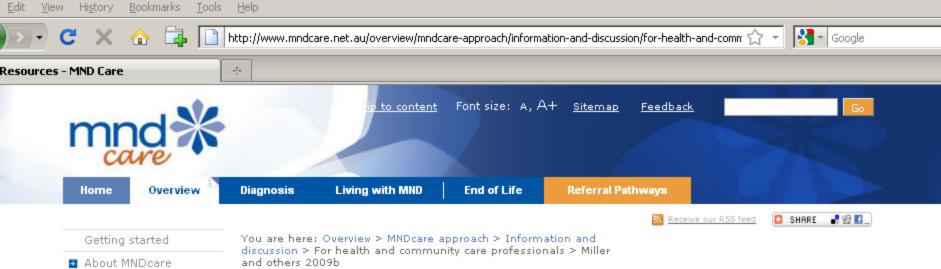
Strong and others 2009 Consensus criteria for the diagnosis of frontotemporal cognitive and behavioural syndromes in amyotrophic lateral sclerosis

Location: // RockSolid // Overview // MNDcare approach // Information and discussion // For health and community care professionals // Strong and others 2009

Keywords:

Strong, M. J.; Grace, G. M.; Freedman, M.; Lomen-Hoerth, C.; Woolley, S.; Goldstein, L. H.; Murphy, J.; Shoesmith, C.; Rosenfeld, J.; Leigh, P. N.; Bruijn, L.; Ince, P. & Figlewicz, D. (2009), 'Consensus criteria for the diagnosis of frontotemporal cognitive and behavioural syndromes in amyotrophic lateral sclerosis.', Amyotroph Lateral Scler 10(3),

n---



Miller and others 2009b Practice parameter update: The care of the patient with amyotrophic lateral

Review and assess Information and

discussion For health and community care

professionals For people living with MND

General

Motor neurone

MNDcare approach

Care coordination Multidisciplinary

Palliative approach

disease

Refer

Staying up-to-date

Participate

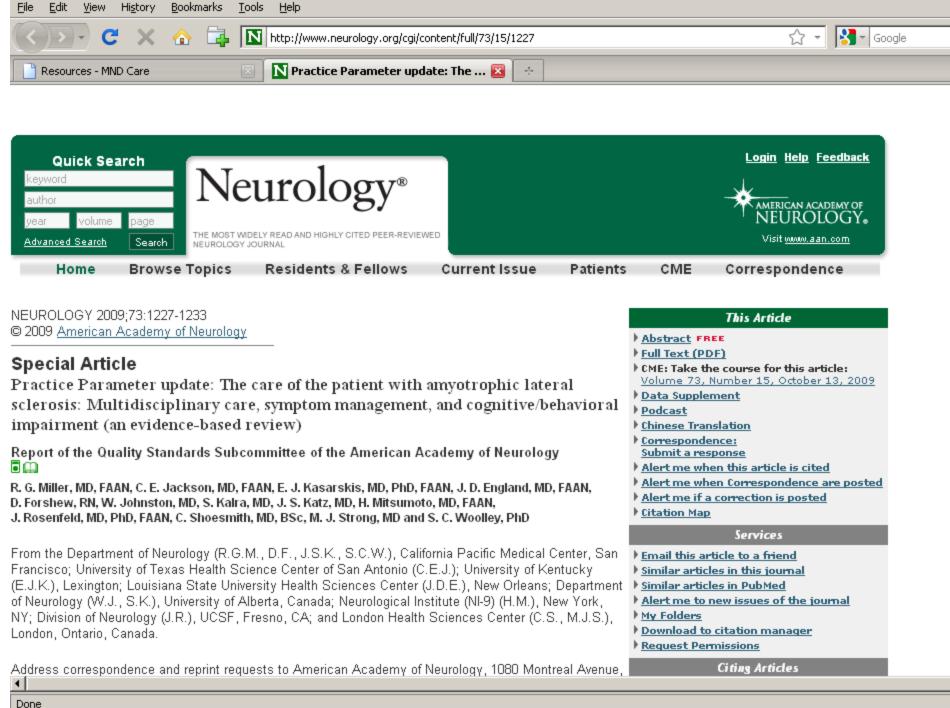
sclerosis: multidisciplinary care, symptom management, cognitive/behavioral impairment

Miller, R. G.; Jackson, C. E.; Kasarskis, E. J.; England, J. D.: Forshew, D.; Johnston, W.; Kalra, S.; Katz, J. S.; Mitsumoto, H.; Rosenfeld, J.; Shoesmith, C.; Strong, M. J.; Woolley, S. C. and Quality Standards Subcommittee of the American Academy of Neurology (2009b), Practice parameter update: The care of the patient with amyotrophic lateral sclerosis: multidisciplinary care, symptom management, and cognitive/behavioral impairment (an evidence-based review); report of the Quality Standards Subcommittee of the American Academy of Neurology, ', Neurology 73(15), 1218--1226.

Free full text access online.



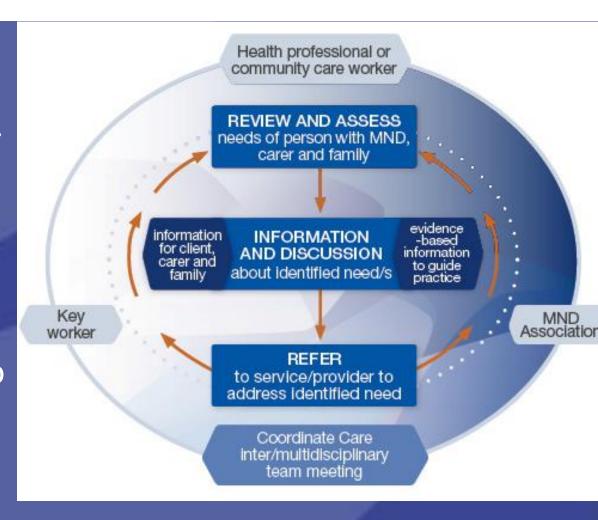
www.neurology.org/cgi/content/full/73/15/1227



MNDcare Approach www.mndcare.net.au



- 3. make referrals to the right provider at the right time
- 4. provide a coordinated, multidisciplinary team approach to MND care





- slurring, hoarseness and weak voice which may progress to total loss of speech (anarthria)
- · poor communication ability can lead to:

Wellbeing and

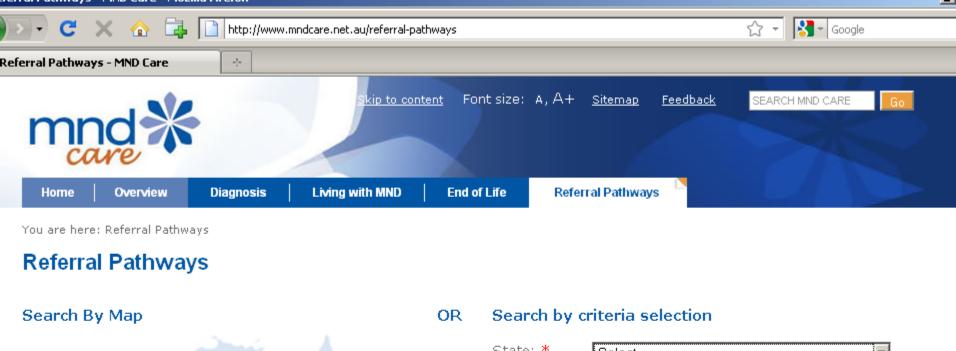
support needs

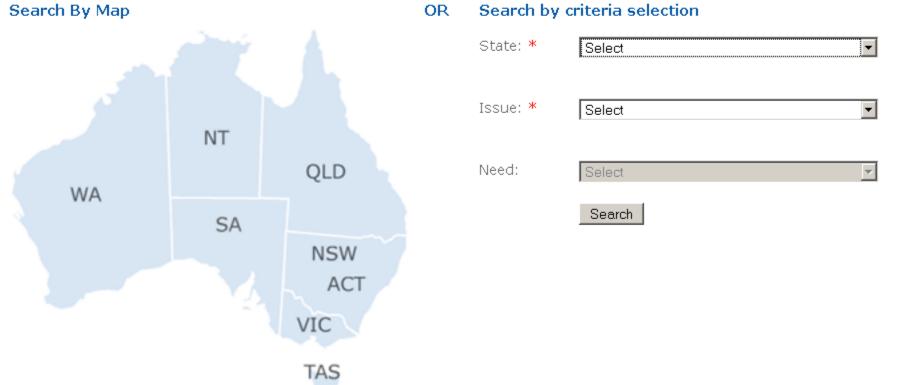
- isolation communication inadequate or avoided
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- low self-esteem others assume deafness and shout or assume intellectual impairment
- loss of control and increasing vulnerability because misunderstood or opinion ignored or not sought

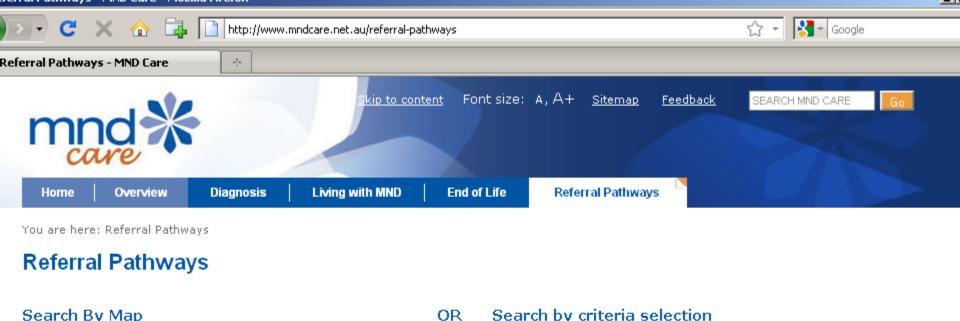
 MND Australia 2008 Motor neurone disease: A problem solving approach
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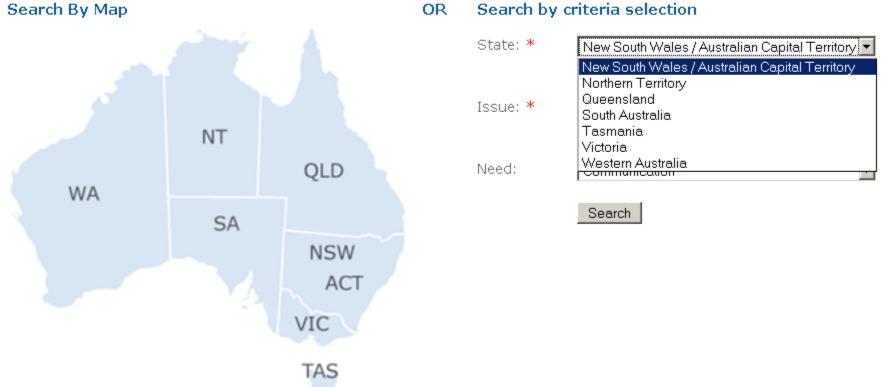
Related external links

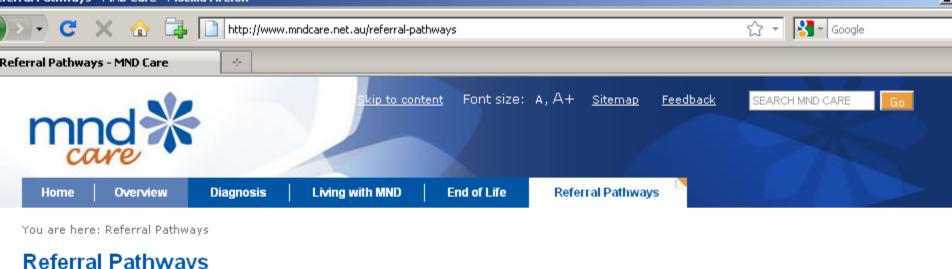
 Tomik and Guiloff 2010 Dysarthria in amyotrophic lateral sclerosis: a review

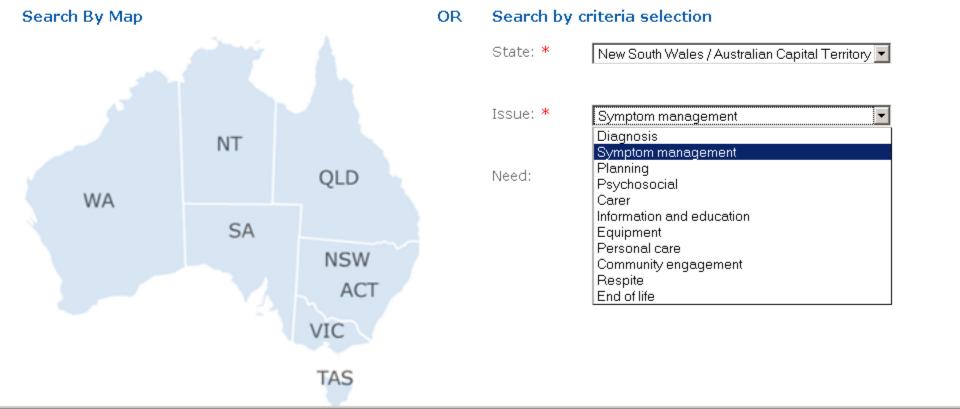


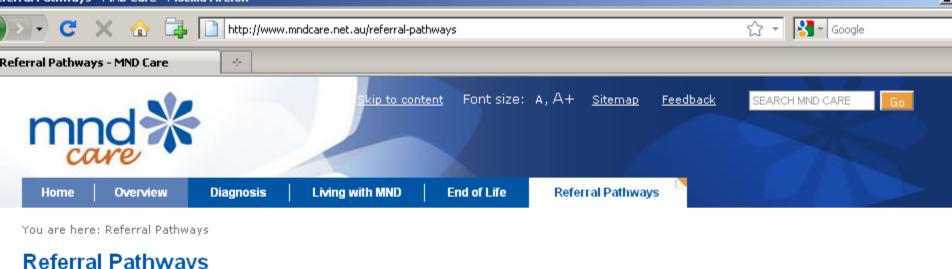


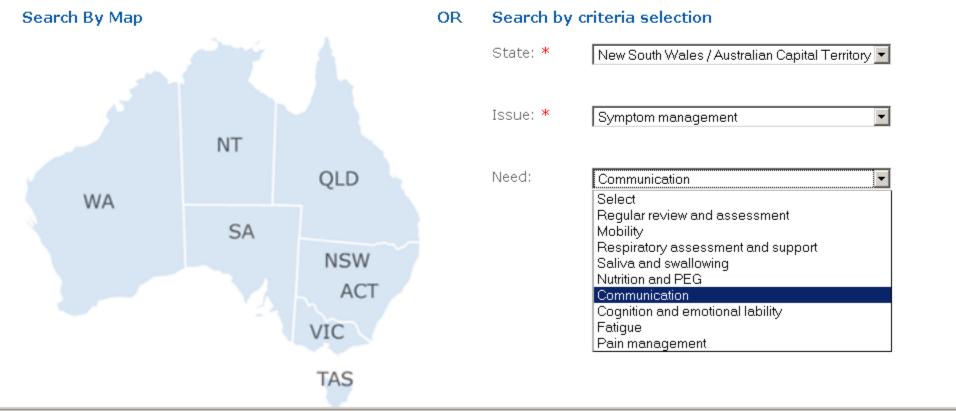


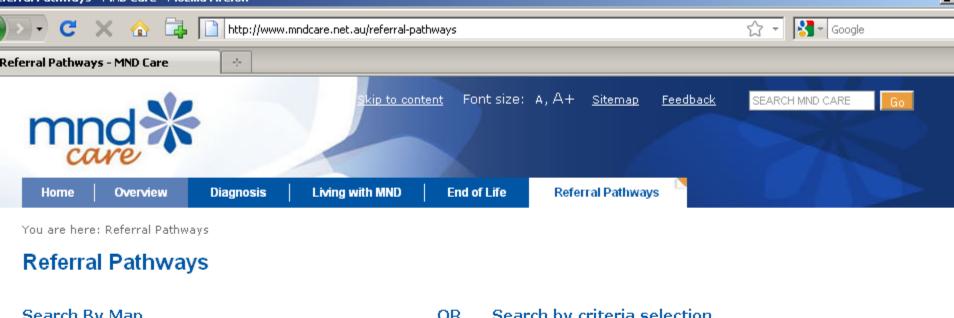


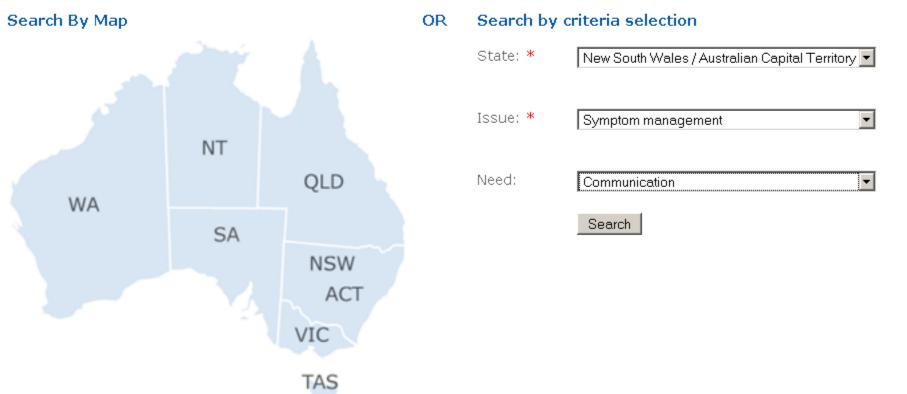














New South Wales & Australian Capital Territory selected



Step 1 - Select the issue: *

Symptom management 🔻

Step 2 - Select the need: (Optional)



New search

12

4 service(s) found.

Current as at 11 Jun 2010

MND New South Wales

Phone: 02 8877 0999

Fax: 02 9816 2077

info@mndnsw.asn.au

www.mndnsw.asn.au

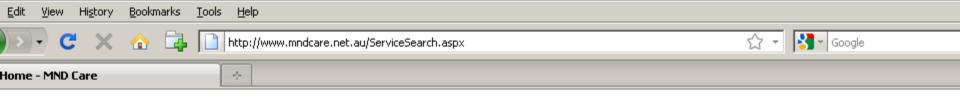
Building 4, Gladesville Hospital, Victoria Rd Gladesville

NSW 2111

MND NSW is a registered charitable not-for-profit organisation providing support and information to people with all types of motor neurone disease, their families and carers in NSW, ACT and NT.

MND NSW provides a range of aids and equipment to people living with MND in NSW and ACT following assessment by an appropriate health professional.

The MND Association can provide information on local services and providers.



Multidisciplinary MND Clinics

Current as at 17 Jun 2010

Phone: 1800 777 175

There are several motor neurone disease specific clinics and programs of care in New South Wales. These specialised clinics provide an integrated approach to the management and clinical care of the person with motor neurone disease.

The multidisciplinary clinics give the person with motor neurone disease access to a range of health professionals who work together to provide a coordinated response to care.

Team members may include the neurologist, rehabilitation specialist, palliative care specialist, respiratory specialist, physiotherapist, dietitian, social worker, occupational therapist, speech pathologist and clinic nurse coordinator. MND Association regional advisors also attend these clinics to provide information and support.

MND clinics and services in New South Wales are located at:

- · Prince of Wales Hospital MND Clinic, Randwick
- Sydney West MND Clinic, St Joseph's Hospital, Auburn
- Macquarie Neurology, Macquarie University Hospital
- Calvary Health Care MND Service, Kogarah

For contact details of these clinics use the freecall number, if you are located in NSW, to contact MND NSW.

Speech Pathologist

Current as at 06 Jun 2010

Phone: 03 9642 4899

www.speechpathologyaustralia.org.au/about-spa/find-a-speech-pathologist

Level 2 / 11-19 Bank Place

The speech pathologist (SP) is an integral part of the multidisciplinary team. SPs may be accessed from local hospitals or community health, aged care or palliative care services.



New South Wales & Australian Capital Territory selected



Step 1 - Select the issue: *

Symptom management _____

Step 2 - Select the need: (Optional)



New search

12

4 service(s) found.

Current as at 02 Jun 2010

Technology solutions for computer Access, Seating and Communication (TASC)

Phone: 02 9975 8469

www.thespasticcentre.org.au/services/services-tasc/services-tasc.htm

189 Allambie Road, Allambie Heights

NSW 2100

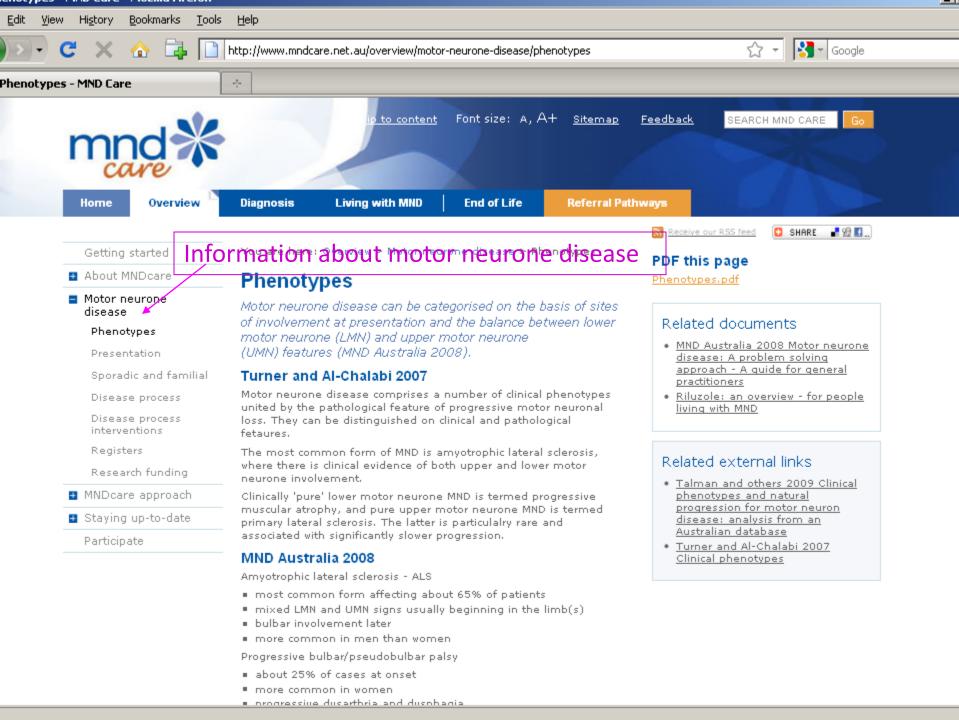
TASC is a consultancy service which meets the technology, seating and mobility needs of people with disabilities in NSW.

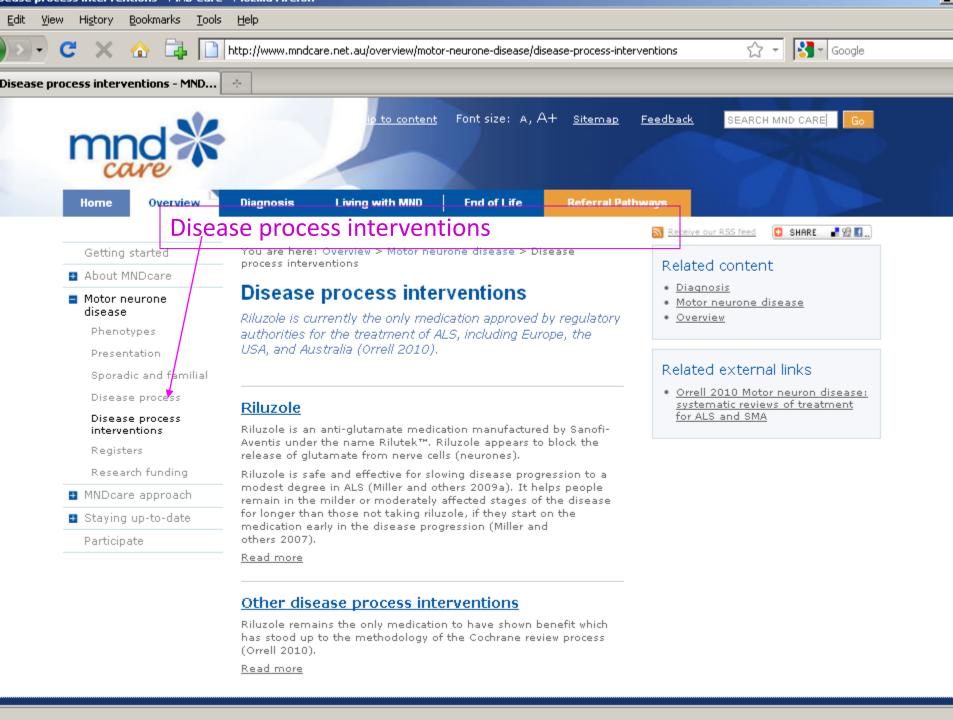
TASC services include the following:

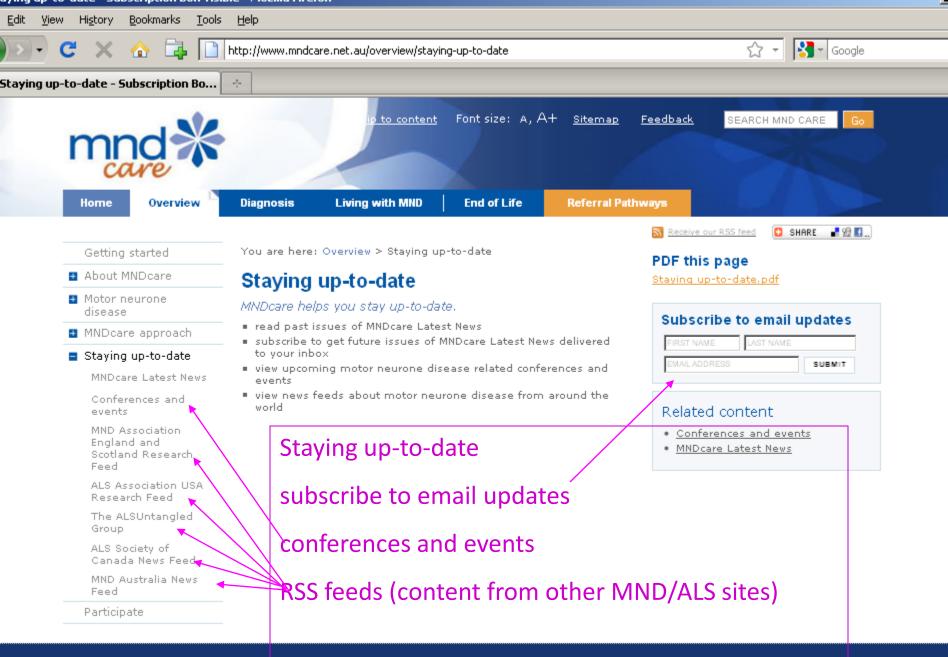
- identification of client needs and recommendations in relation to technology for communication, computer access, seating/wheelchairs and environmental control
- · alternatives to handwriting
- · assistance with the trial of recommended equipment
- · assistance with preparing funding submissions for recommended equipment



- simple tool
- more than 1200 potential pathways
- Australian health professionals and community care workers can
 - locate the appropriate health professional, community care worker, agency or other service for the person living with MND
 - as soon as the need is identified









ALS-U is a new and exciting initiative. Driven from the 'ground' up' it will provide a timely, accurate and scientifically valid analysis of alternative and off-label treatments. This in turn helps people with ALS/MND and their families to make informed decisions. For more information on ALSUntangled visit http://www.informaworld.com /smpp/section?content=a911419844&fulltext=713240928

Amyotrophic Lateral Sclerosis, August 2010, Vol. 11, No. 4, Pages

ALSUntangled Update 4: Investigating the XCell-Center

Amyotrophic Lateral Sclerosis, May 2010, Vol. 11, No. 3, Pages 337-338.

ALSUntangled Update 3: Investigating stem cell transplants at the Hospital San Jose Tecnologico de Monterrev

Amyotrophic Lateral Sclerosis , 2010, Vol. 11, No. 1-2, Pages 248-249.

ALSUntangled Update 2: Investigating The Hickey Wellness Center Amyotrophic Lateral Sclerosis, 2009, Vol. 10, No. 5-6, Pages 490-491.

ALSUntangled Update 1: Investigating a bug (Lyme Disease) and a drug (Iplex) on behalf of people with ALS

Amyotrophic Lateral Sclerosis, 2009, Vol. 10, No. 4, Pages 248-250.

RSS feed from The **ALSUntangled** Group

ALSUntangled No. 5: Investigating the Stowe/Morales ALS Protocol

MND Association England and

MNDcare Latest News

Conferences and

events

Scotland Research Feed

MNDcare approach

Staying up-to-date

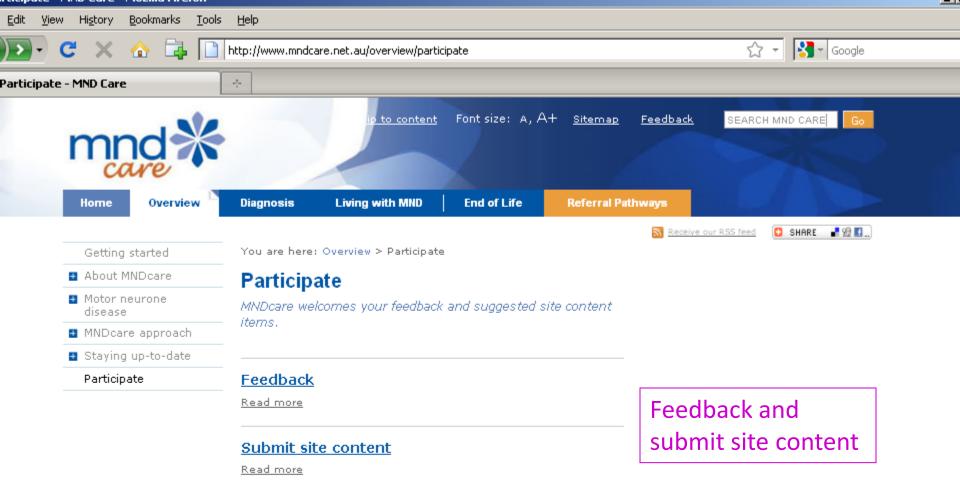
ALS Association USA Research Feed

The ALSUntangled Group

ALS Society of Canada News Feed

MND Australia News Feed

Participate



Content development



- ongoing
 - monthly e- newsletters for subscribers
 - images
 - checklists, assessment tools
 - podcasts, vodcasts
 - case studies, local care pathways
 - fact sheets for people living with MND
 - evidence updates

Outcomes



- 'One-stop shop' website
 - for health professionals and community care workers
- facilitate and promote best practice coordinated multidisciplinary MND care
 - timely interventions and appropriate referrals
- for all people with a diagnosis of MND in Australia
 - especially in regional, rural and remote areas

Acknowledgements www.mndcare.net.au



- MNDcare Expert review panel
- Australian Government Department of Health and Ageing
- RockSolid Consulting
- MNDcare Steering committee
- Tomik and Guiloff, 2010 Dysarthria management algorithm
- •Miller, R. G.; Jackson, C. E.; Kasarskis, E. J.; England, J. D.; Forshew, D.; Johnston, W.; Kalra, S.; Katz, J. S.; Mitsumoto, H.; Rosenfeld, J.; Shoesmith, C.; Strong, M. J.; Woolley, S. C. and Quality Standards Subcommittee of the American Academy of Neurology (2009a) and (2009b), Practice parameter updates
- Anita Richter, Project Officer, MNDcare audit

See poster: CW248

Helping people living with motor neurone disease to live better for longer







MND Australia Invites you to Sydney next year

- Hilton Hotel, Sydney www.hiltonsydney.com.au
- 29 November
 - Allied Professionals Forum
- 30 November to 2 December
 - ALS/MND Symposium
 - Scientific and Clinical streams
- More details
 - www.mndaust.asn.au
 - www.mndassociation.org

