

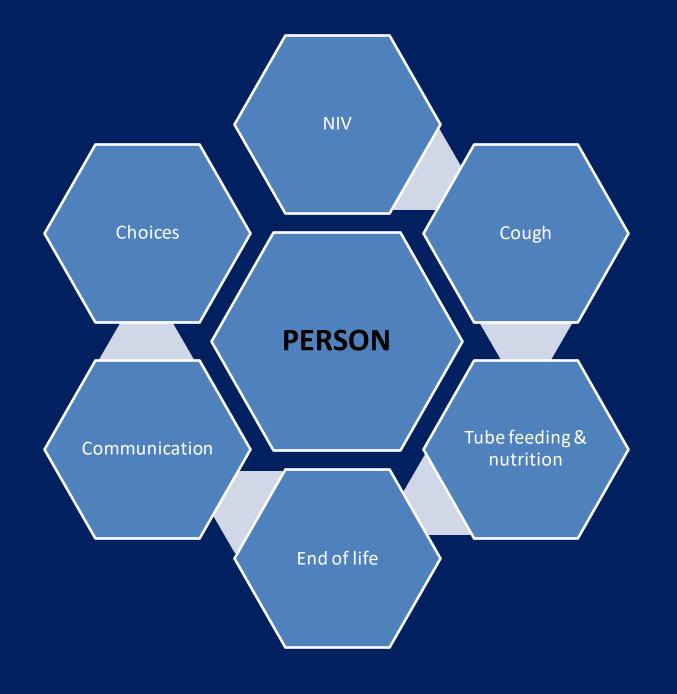




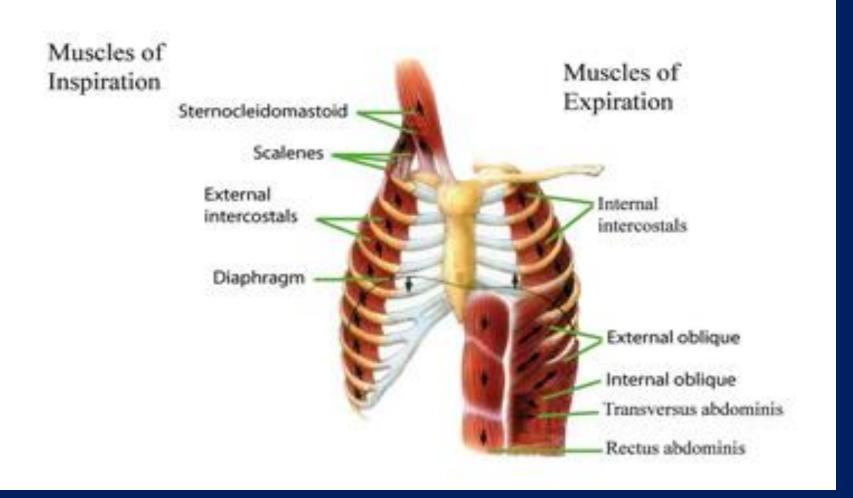
Respiratory Issues and Implications for Care

Joe Annandale

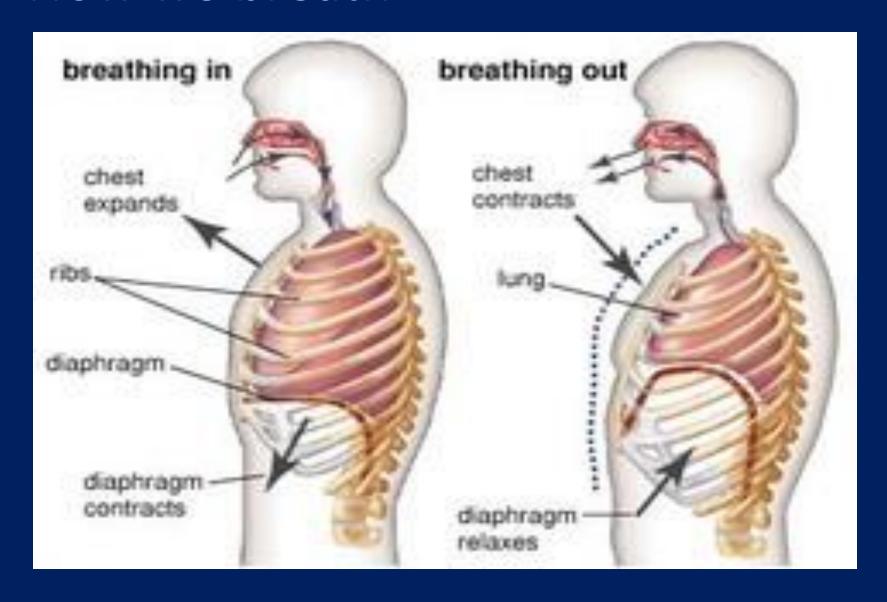
Respiratory Nurse Specialist
Hywel Dda University Health Board,
Co-director South Wales MND Care Network



Breathing muscles

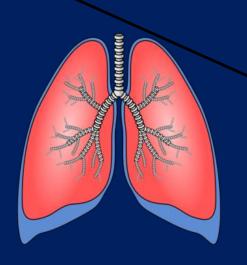


How we breath





Normal breathing







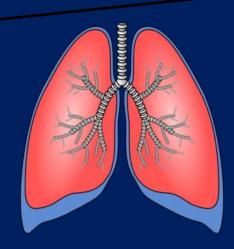
High CO_2 = bad news! (hypercapnia)











Monitoring: 3 monthly

- Breathless when moving around
- Can't lie flat because of breathlessness
- Waking up feeling tired, a headache that gets better as day goes on
- Poor sleep nightmares, restless, vivid dreams
- Tired and sleepy in day
- Muddled, poor concentration
- Chest infections, weight loss
- Physiology: blood gases, nocturnal studies, FVC

NIV: Non invasive ventilation

- Ventilator: via mask (mouthpiece / vest)
- Mask over nose or over nose & mouth
- Synchronises with patient
 - Blows air in when you breath in to inflate the lungs more than they can do on their own
 - Blows' out when you breath out
- Back up breaths
- Wear nocturnal initially

















Benefits of NIV

- Feel better:
 - Less tired, more alert, more energy, better concentration
- Reduces risk of complications:
 - Chest infections
 - Clear secretions
- Better quality of life
- Live longer (a year or two?)

Decision making



- Awareness & raise possibility
- Start at appropriate time
- Nocturnal initially leading to possible 24hr use
- When to stop or continue to death
- Discuss end of life wishes in advance







Using myBreathing

Choices

Starting

Living

Later

Our Stories







About MND

Support and information

Get involved

Research

Professionals

Donate

Home > Support and information > Living with MND > Breathing and ventilation

reathing and ventilation



Breathing can be affected by MND, but there is a lot of support available. Select from the following to find out more.

"Ask your professionals to explain things...my own experience has shown that you are often not prepared early enough." Person with MND

- + How does MND affect breathing?
- + Why is it risky to have extra oxygen with MND?



Challenges



- Getting used to it
 - Having to wear a mask
 - Taking mask on/off, living alone
- Realisation things are getting worse. Loss of control
- Dry airways humidifier
- Wet sialorrhea
- Planning for the future dependency

Withdrawal of Assisted Ventilation at the Request of a Patient with Motor Neurone Disease

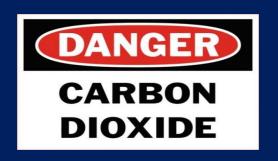
Guidance for Professionals

Association for Palliative Medicine of Great Britain and Ireland

November 2015



Why not oxygen?



- Oxygen improves oxygen levels but does not improve ventilation
- Does not help breathlessness
- Worsens hypercapnia dangerous fatal!!

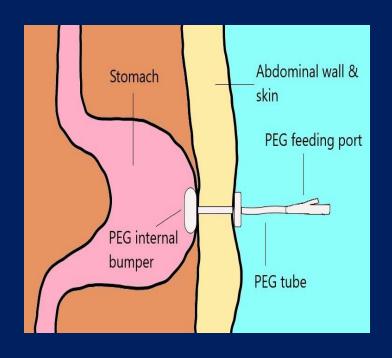


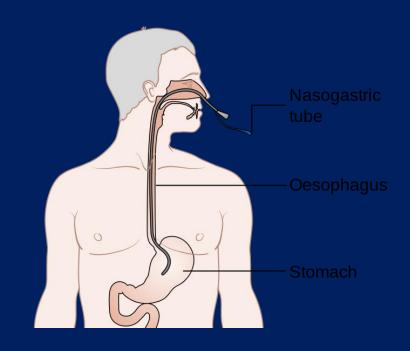
Cough

- Breath in, close glottis, forced expiration
 - Difficult with weak breathing/throat muscles
- Measure strength cough peak flow
- Aspiration risk bulbar symptoms
- Respiratory infections
- Physiotherapist intervention



Feeding tubes: PEG, RIG, NG





- Lying down
- Sedation
- RISKS increase if breathing problems



Using myTube Thinking Fitting Living Caring Our Stories



Summary

- Team approach breathing is more than lungs
- Regular monitoring, early intervention
- Choice, work together, support
- Longer life, better quality
- Oxygen in not appropriate
- End of life plan
- Feeding tubes early intervention

THANK YOU

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