



Pain Assessment in Patients with Communication difficulties

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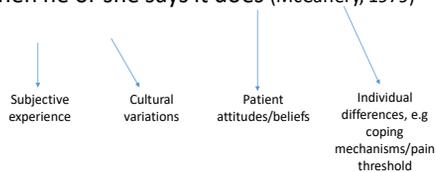
Session Contents:

1. What is pain?
2. How can assess pain in the cognitively impaired using self-report assessment tools?
3. How can we assess pain in the cognitively impaired using observational method?
4. How can we use pain assessment tools in our practice?



Definition of Pain

Pain is what the patient says it is and occurs when he or she says it does (McCaffery, 1979)



But, what if the patient cannot say?



Definition of Pain



International Association for the Study of Pain: An unpleasant sensory or emotional experience, associated with **actual or potential tissue damage** or described in terms of such damage (Merskey & Bogduk, 1994).

- Applies to acute, chronic (>3-6 months), and cancer-related.



Definition of Pain



But again, what if the patient cannot say?

“The inability to communicate verbally **does not negate** the possibility that an individual is experiencing pain and is in need of appropriate pain-relieving treatment.”

But what if tissue damage is not present?

“Many people report pain in the absence of tissue damage or any likely pathophysiological cause; usually this happens for psychological reasons. There is usually no way to distinguish their experience from that due to tissue damage if we take the subjective report. **If they regard their experience as pain**, and if they report it in the same ways as pain caused by tissue damage, **it should be accepted as pain.**”



The challenges of pain in CI

Is this pain?

- <https://www.youtube.com/watch?v=COQDjXgNyuY>
- <https://www.youtube.com/watch?v=IMffJ8MNR4>

Seem familiar?

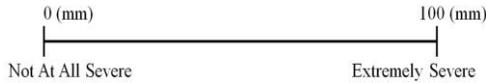
Have you experienced this and if so what did you do?



Self-report PAT in CI

Standardised Self-report PATs: Visual Analogue Scale

Note how severe you feel your disease state is with a mark (|) on the line below:



- Validated in mild to moderate learning disabilities
- Not suitable for severe learning disabilities or intellectually impaired
- Easy to administer
- Not setting dependent



Self-report PAT in CI

Standardised Self-report PATs: The FACES Scale (Wrong & Baker)

Wong-Baker FACES® Pain Rating Scale



- Validated up to moderate learning disability (mental age 5+, and children 4-8 years of age)
- More user-friendly for this population than the VAS
- Easy to administer in all settings
- Requires a numerical understanding and emotional
- Measures distress in addition to pain- pain vs. Sad



Self-report PAT in CI- Pain Experience

But do patients with CI (related to dementia) experience pain? **YES**

The disease process damages the CNS and as a result impairment occurs in memory, language and higher-order cognitive processing.

This DOES impact their ability to communicate pain, however those with dementia CAN still experience pain sensation to the same degree as cognitively intact older adults (e.g. Karp, Shega, Morone, & Weiner, 2008; Kunz, Mylius, Scharmann, Schepelman, & Lautenbacher, 2009; Scherder, Herr, Pickering, Gibson, Benedetti, & Lautenbacher, 2009).

Pathologic changes CAN affect the interpretation of the pain stimulus and the affective response to the pain experience (e.g. Reynolds, Hanson, DeVellis, Henderson, & Steinhauser, 2008; Scherder et al., 2009).

Differences in pain processing HAVE been observed in varying types of dementia:

- Those with FTD have increased pain threshold and pain tolerance (Carlino, Benedetti, Rainero, Asteggiano, Cappa, Tarenzi, et al., 2010).
- For those with AD they appear to suffer more acute pain (affective pain situations) comparative to chronic pain, suggesting a decline in pain affect (Scherder & Bouma, 2000).

Unclear at current- what about mixed diagnosis?



Observational PATs



Observational PAT in CI

- If a patient cannot communicate what non-verbal and behavioural signs can we identify as indicative of pain?



This is the purpose of observational and behavioural PATs.





Observational PAT in CI: What one!? Abbey Pain Scale

Q1. Vocalisation e.g. whimpering, groaning, crying
Absent 0 Mild 1 Moderate 2 Severe 3

Q2 Facial Expression e.g. looking tense, frowning, grimacing, looking frightened
Absent 0 Mild 1 Moderate 2 Severe 3

Q3. Change in body language e.g. fidgeting, rocking, guarding part of the body, withdrawn
Absent 0 Mild 1 Moderate 2 Severe 3

Q4 Behavioural change e.g. increased confusion, refusing to eat, alteration in usual patterns
Absent 0 Mild 1 Moderate 2 Severe 3

Q5 Physiological change e.g. temperature, pulse or blood pressure outside normal limits, perspiring, flushing or pallor
Absent 0 Mild 1 Moderate 2 Severe 3

Q6 Physical changes e.g. skin tears, pressure areas, arthritis, contractures, previous injury
Absent 0 Mild 1 Moderate 2 Severe 3



Observational PAT in CI: What one!?

- Most user friendly
- No recent studies in the UK
- Popular in different care settings
- Used in palliative settings and ongoing care
- Distress or pain measure?



Assessing Pain: Tech Applications





Assessing Pain: Tech Applications

- PAT do not have to be a pen-and-paper exercise, transition with the times.

Usability Testing of the iPhone App to Improve Pain Assessment for Older Adults with Cognitive Impairment (Prehospital Setting): A Qualitative Study. [Docking RE¹, Lane M², Schofield PA³. Pain Med. 2018 Jun 1;19\(6\):1121-1131. doi: 10.1093/pm/pnx028](#)



Observational PAT in CI: Physiological Observations

Physiologic indicators (e.g., changes in heart rate, blood pressure, respiratory rate), though important for assessing for potential side effects and are recommended in some PATs to be observed in addition.



However, these indicators are not sensitive for discriminating pain from other sources of distress.

Although physiologic indicators are often used to document pain presence, the correlation of vital sign changes with behaviors and self-reports of pain has been weak or absent, therefore the absence of a change in vital signs does not indicate absence of pain (Herr et al., 2011).



What next?



Determine the cause in CI

According to current UK guidelines:

Find the cause of pain

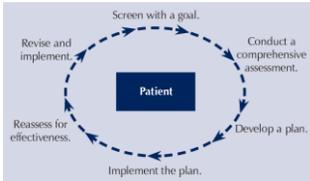
- examination and investigation to establish the cause of pain
- Resting (we can compare PATs scores during rest and activity)
- Washing and dressing
- Movement and mobility



Provide Pain Management

Pain Score from PAT---- Cause of pain-----Treatment

PATs should not only be used once, they should be used to re-assess a patient and determine the efficacy of the pain treatment give.





Is it that easy?

Is it that obvious when someone with cognitive impairment has pain then?

For example:

In dementia, severe pain is less likely to cause wandering, but more likely to display aggressive and agitated behaviours.

How do we distinguish between the impairment and pain? We assess it AND....

- Knowledge of the patient
- History
- Carers or families assistance
- Experience with the disease
- Facial expression (grimace)
- Verbal expression (groaning, moaning)
- Protected position – rigid, limited movement
- Restlessness, agitation



Are PATs applied in Practice?

Sadly, not consistently

A survey of care staff across Europe:

- 415 responses (UK 28, Netherlands 139, Germany 147, Denmark 9, Belgium 35, Switzerland 18, Austria 39)
- The majority (48.5%) of the nursing staff currently worked in the hospital.
- Only 25% of sample use guidelines.
- Different scales across countries.
- Dissatisfaction about the current knowledge of pain assessment in cognitively impaired older adults.
- There seems to be an international struggle to interpret findings of the observational pain scales available.



The Barriers- Myth Busting



- With my professional knowledge and training I can assess pain
ABSOLUTELY, BUT PATs should be used in conjunction with your clinical knowledge and experience. Consider consistency and experience level.
- I would say just use your intuition
YES, but what if you do not yet have the experience needed with a particularly CI patient group
- It will detract from time with my patients
NO, some PATs tool takes minutes to complete
- CI patients cannot communicate pain or feel it the same
NO, we still need to ask and treat them appropriately
- Its hard to determine what is pain and what it their condition (e.g. aggression in dementia)
YES, PAT can assist in identifying atypical pain behaviours/verbalisations
- When they have an injury, you know they have pain
NO, not all pain will be obvious by tissue damage. PATs help to explore the cause of pain.



FYI- these are real HCP beliefs about PATs
(Chandler & Bruneau, 2014; Chandler et al., 2017; Chandler & Schofield, 2018)



Summary

- Pain is what the patient tell us it is, but this is complex when CI impairment is present.
- Self-report is the first step in pain assessment, you should use the self-report PAT suitable for your patient group.
- Self-report relies on the patients willingness to communicate and ability, consider how you communicate with these groups.
- If you doubt a self-report or a patient is not able to communicate, you should then refer to observational PATs.
- All PATs have their limitations, however it is recommended they are ALWAYS USED- providing we use them appropriately.
- PATs should be used in conjunction with the patients history, feedback from carers or family members and your clinical knowledge.
- PATs do not appear to be used, or guidelines, so we should educate all healthcare providers in their use.
- There are guidelines for the assessment of pain in cognitively impaired groups, these should be referred to by practioners.



Take home message:

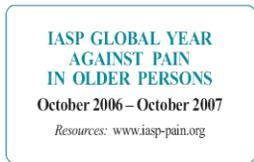
Pain should be assessed as the first vital sign using a validated and appropriate PAT. A self-report should always be elicited, followed where needed by use of an observational PAT. PATs are not only for the assessment of pain, but also for the assessment of the efficacy of pain treatment.

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For UK guidelines see:
[The Assessment of Pain in Older People: UK National Guidelines](#)
[Pat Schofield. Age and Ageing](#), Volume 47, Issue suppl_1, 1 March 2018, Pages i1–i22, <https://doi.org/10.1093/ageing/afx192>
Published: 19 March 2018





Pain in Residential Aged Care Facilities
Management Strategies
August 2005
The Australian Pain Society



Managing Pain: Populations with Cognitive Impairment (CI)

Guidance on the management of pain in older people (Schofield, Abdulla, Adams, Bone, Elliott, Gaffin, Jones, Knaggs, Martin, Sampson)

Age Ageing (2013) 42 (suppl 1): i1-i57 doi:10.1093/ageing/afs200





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