Factors involved in difficult-to-manage pain

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Introduction

In this article I shall focus on patients with advanced cancer. Although certain types of pain tend to be more difficult to manage, in practice the same type of pain can be straightforward to manage in one patient but difficult in another. Over 2000 years ago, Aristotle described pain as a ‘passion of the soul’. He emphasised that pain is not just a physical sensation by omitting it from his list of the five senses (sight, hearing, smell, taste, touch). This fundamental truth is incorporated in the definition of pain adopted by the International Association for the Study of Pain: ‘Pain is an unpleasant sensory and emotional experience associated with actual or potential tissue damage, or described in terms of such damage.’ (IASP, 1986)

In other words, pain is a somato-psychic experience, and will inevitably be modulated by a person’s mood, morale, and the perceived meaning of the pain (Box A). Continuing severe pain for which the doctor offers no coherent explanation, associated with progressive physical deterioration, conveys the non-verbal message to the cancer patient that death is certain to be agonising. However, only about 2/3 of pains in advanced cancer are caused directly by the cancer. (Twycross, 1982; Twycross, 1996) It follows that to be able to tell someone that, ‘This particular pain is not caused by the cancer’ reduces the negative impact of the pain, and thereby decreases its intensity. Indeed, no explanation by the doctor and no opportunity for discussion is probably a major cause of difficult-to-manage pain in advanced cancer (Box B).

Broadly speaking, success in cancer pain management depends on health professionals, including doctors, who:

• appreciate that pain is a somato-psychic phenomenon
• carefully evaluate the cause(s) of pain
• when appropriate, combine non-drug treatment with drug treatment
• use the right drugs in the right doses at the right time intervals
• are aware that the effective dose of a strong opioid varies widely
• are aware that some pains respond poorly to opioid analgesics, and be familiar with the use of a range of adjuvant analgesics
• closely monitor patients and energetically treat undesirable drug effects, particularly constipation and nausea and vomiting

Even so, certain factors undoubtedly can make pain more difficult to manage. (Bruera, 1995; Laval, 1997) In one study, the following were found to predict a
Box B: Common reasons for unrelieved pain

Associated with patient or family
Belief that pain in cancer is inevitable and untreatable.
Failure to contact doctor.
Patient misleads doctor by ‘putting on a brave face’.
Patient fails to take prescribed medication as does not ‘believe’ in tablets.
Belief that analgesics should be taken only ‘if absolutely necessary’.
Non-compliance because of fears of ‘addiction’.
Non-compliance because of a belief that tolerance will rapidly develop, and will leave nothing ‘for when things get really bad’.
Patient stops medication because of undesirable effects and does not notify doctor.

Associated with doctor or nurse
Doctor ignores the patient’s pain, believing it to be inevitable and untreatable.
Failure to appreciate the severity of the patient’s pain, often because of a failure to get behind the patient’s ‘brave face’.
Doctor prescribes an analgesic which is too weak to relieve the pain.
Prescription of an analgesic to be taken p.r.n. (pro re nata, ‘as required’).
Failure to appreciate that standard doses are not relevant for cancer pain.
Failure to give a patient adequate instructions about how the prescribed analgesics should be used to obtain maximum benefit.
Because of lack of knowledge about relative analgesic potency, the doctor either reduces or fails to increase the analgesic dose when transferring from one opioid to another.
Fear that patient will become ‘addicted’ if a strong opioid is prescribed.
Belief that morphine should be reserved until patient is ‘really terminal’ (moribund), and continues to prescribe inadequate doses of less effective drugs.
Failure to monitor the patient’s progress.
Lack of knowledge about adjuvant analgesics for use when opioids are ineffective.
Failure to use non-drug measures when appropriate.
Failure to give psychological support to the patient and family.

poorer pain relief prognosis:
• major psychological distress
• neuropathic pain
• episodic pain
• the need to increase the opioid dose several times per week
• a history of alcohol or drug abuse
In a series of nearly 300 patients, 93% of those without any of these features achieved good pain control, whereas in those with one or more of these features the figure was only 55%. (Bruera, 1995)

Evaluation of pain
The following case history illustrates the importance of thorough clinical evaluation, linked with appropriate explanation to the patient.

Case history 1
A 63 year-old woman with a history of upper abdominal pain was found at laparotomy to have cancer of the pancreas with liver metastases. When seen 10 days post-operatively by a palliative care doctor she was receiving morphine 25 mg by mouth every 4 hours. This failed to provide adequate relief. She was drowsy, distressed and complained of insomnia. Clinical evaluation demonstrated the presence of six different pains (Figure 1).

It was explained to her that:
• some of her pains were muscular
• the pain in her chest wall was probably caused by a rib fracture
• her abdominal incision would probably continue to be uncomfortable on movement for several weeks, but would improve progressively
• some of the abdominal pain was probably caused by constipation
• some pains respond better to anti-inflammatory drugs and non-drug measures than to morphine.

The following measures were taken:
The nurses were advised about the nature of the rib pain.

A non-steroidal anti-inflammatory drug (NSAID) was prescribed.

The dose of morphine was reduced to 15 mg every 4 hours in the daytime with 30 mg at bedtime.

A night sedative was prescribed.

A laxative was prescribed, and an enema planned for the following day.

The next day she was dramatically improved following a good night, and had minimal pain. The dose of morphine was reduced further and, after three days, she was taking only 5 mg every 4 hours with 15 mg at bedtime.

This case history emphasises the following points:

- Not all pains in cancer are malignant in origin.
- Cancer patients with pain often have more than one pain.
- Muscular pains may be as intense as (or even more intense than) much pain caused directly by cancer.
- Some pains, however intense, do not benefit from the use of incremental doses of morphine.
- Thorough clinical evaluation is necessary before starting treatment.
- Explanation is essential before starting treatment.
- Re-evaluation may lead to further changes in treatment in the light of initial results and/or undesirable drug effects.

When evaluating a patient’s pain, it is important to consider whether the pain is nociceptive (associated with tissue distortion or tissue injury) or neuropathic (associated with nerve compression or nerve injury). Pain in an area of abnormal or absent skin sensation is always neuropathic. It may be solely neuropathic (e.g., chronic postoperative scar pain, post-herpetic neuralgia) or, more often in cancer, mixed nociceptive-neuropathic (e.g., intrapelvic recurrence with lumbosacral plexopathy). In addition to being neurodermatomal in distribution, nerve injury pain is often burning in character and associated with cutaneous hypersensitivity (allodynia). There may also be spontaneous stabbing (lancing) pain.

**Use of analgesics**

Analgesics can be divided into three classes:

- Non-opioid (antipyretic)
- Opioid
- Adjuvant

Non-opioid and opioid analgesics both act peripherally and centrally. (Geisslinger, 2000; Stein, 1993) The principles governing analgesic use include: (World Health Organization, 1986)

- **By the mouth**, the oral route is the standard route for analgesics, including morphine and other strong opioids.
- **By the clock**, persistent pain requires preventive therapy. Analgesics should be given regularly and prophylactically at pharmacologically appropriate intervals, and as needed (p.r.n.); as needed medication alone is irrational and inhumane (Figure 2).
- **By the ladder**, use the analgesic ladder (Figure 3). Generally, if a combination of an NSAID and a weak opioid fails to provide adequate relief, move to Step 3, and not sideways to another weak opioid.
- **Individual dose titration**, the right dose is the one which relieves the pain; doses should be titrated upwards until the pain is relieved or undesirable effects prevent further escalation.
- **Use adjuvant drugs**, in the context of the analgesic ladder these include:
  - Other drugs which relieve pain in specific situ-
- drugs to control the undesirable effects of analgesics
- concurrently prescribed psychotropic medication, e.g. anxiolytics.

A key concept underlying the analgesic ladder is **broad-spectrum analgesia**, i.e. drugs from each of the three classes of analgesic are used appropriately, either singly or in combination, to maximise their impact (Figure 4). Relief with morphine and other opioids is often limited by the development of central sensitisation (Figure 5).

A cancer tends to provoke a local inflammatory reaction with the release of prostaglandins, various cytokines and other chemical mediators of inflammation. These sensitise the free nerve endings involved in nociception. The result is enhanced nociception and secondary sensitisation of the dorsal horn of the spinal cord - and a decreased response to opioids. Sometimes, with further escalation of the opioid dose, pain control is achieved but often it is not. In this circumstance, the best approach is to counter the inflammation responsible for the sensitisation by prescribing an anti-inflammatory drug in conjunction with morphine (or other strong opioid) as part of a broad-spectrum attack on the pain. (Shah, 2001) Unfortunately, the value of NSAIDs in cancer pain management is not universally recognised.

Dorsal horn sensitisation also occurs in association with nerve injury pain, though via a different mechanism. (Dickenson, 2001) When the pain is caused purely by nerve destruction (e.g. by diabetic neuropathy) there is no inflammation, and an NSAID is unlikely to help. In nerve destruction caused by cancer, there will however be two sensitising mechanisms involved – that secondary to the neurophysiological perturbation which follows nerve injury and also the effect of the inflammation. Thus, in nerve injury pain...
in cancer, it is important to use both an NSAID (or corticosteroid) and a strong opioid before adding or switching to adjuvant analgesics.

It must always be remembered that the use of analgesics and pain management are not synonymous. Indeed, drug treatment can never be more than one part of a multimodality approach to management (Box C). The fact that pain is a somato-psychic experience immeasurably widens the scope for intervention. Pain management will extend to factors such as anxiety, depression, fatigue, boredom and loneliness. Too much reliance on morphine and too little attention to the psychological dimension of pain can, all too easily, result in intractable pain.

**Neuropathic pain**

Neuropathic pain responds to a variable extent to opioid drugs; occasionally very well but often only to a very limited extent. (Rowbotham, 2001; Rowbotham, 2003) Patients with central pain after a stroke are perhaps the least likely to find them helpful. (Rowbotham, 2003) It is important to establish guidelines for the use of adjuvant analgesics for neuropathic pain which is poorly responsive to opioids. (Dworkin, 2003; Mendell, 2003; Twycross, 2001; Twycross, 2002) Several drugs are necessary because none helps in all cases. The best achieve more than 50% relief in about 70% of patients. (Sindrup, 2001) The most commonly used drugs for cancer neuropathic pain which responds poorly to a combination of an NSAID and an opioid are the tricyclic antidepressants (commonly amitriptyline) and the anti-epileptics (gabapentin is being used increasingly). (Backonja, 2001; Dworkin, 2003; Sindrup, 2001)

In seemingly intractable situations, methadone (possessing both broad-spectrum opioid and non-opioid properties) (Morley, 1998; Blackburn, 2002; Twycross, 2002; Morley, 2003; www.palliativedrugs.com) or ketamine (an NMDA-receptor-channel blocker) (Jackson, 2001; Twycross, 2002; Mercadante, 2003; www.palliativedrugs.com) should be considered. Alternatively, if readily available, long-term spinal analgesia (epidural or intrathecal) with morphine and bupivacaine ± clonidine can be used. (Twycross, 2002) The impact of these third-line treatments is sometimes dramatic. For example, a
patient with severe pain despite taking several grams per day of morphine by mouth, becoming pain-free on a daily dose of methadone 20-30 mg. (Davis, 2000; Morley, 1998; Morley, 2003)

**Beyond the ladder**

Spinal analgesia is generally classified as ‘beyond the ladder’, together with local anaesthesia, neurolytic blocks, (Wilsey, 2002) neurosurgery, (Jackson, 1999; Jones, 2003) and orthopaedic surgery (Box C). In many centres, only about 5% of patients require neuroablative or orthopaedic interventions. Most patients with bone pain will receive palliative radiotherapy, and a small number will have further palliative oncological treatment as part of pain management.

However, some patients continue to experience pain on movement despite the appropriate use of analgesics, radiotherapy, spinal analgesia, and nerve blocks. Here, the situation is often improved by suggesting modifications to a patient’s way of life and environment. The involvement of a physiotherapist and an occupational therapist is important in these circumstances.

**Episodic pain**

Episodic pain is a term used to describe a transient exacerbation or recurrence of pain in someone who has adequately relieved background pain for most of the time. (Portenoy, 1990) The main types of episodic pain are:

- **incident (predictable) pain**, related to movement or activity (the majority), e.g. weight-bearing, walking, coughing, swallowing, defaecation, dressing change
- **spontaneous (unpredictable) pain**, unrelated to movement or activity (the minority).

Episodic pain may be functional (e.g. tension headache) or pathological, and either nociceptive or neuropathic. In one group of palliative care services, episodic pain occurred in about 40% of patients, on average 1.5 times a day. (Gomez-Batiste, 2002) Compared to spontaneous pain, patients were less likely to take additional analgesia for incident pain, possibly because of its predictability and shorter duration.

A detailed history and examination with, if necessary, further investigation should identify the cause of the episodic pain, the exacerbating and relieving factors, and the impact on the patient – and lead onto the selection of the most appropriate treatment.

For example, if the patient has severe oesophagitis because of acid reflux from the stomach, and swallowing causes pain, administration of a local anaesthetic solution or gel may provide short-term relief. More definitive measures such as metoclopramide to minimise further acid reflux, and a proton-pump inhibitor (e.g. lansoprazole) to reduce gastric acid would also be necessary.

Because episodic pain is generally severe, an additional dose of an opioid is often recommended, e.g. morphine by mouth. (Hanks, 2001) Practice differs, but most centres recommend either 1/6 or 1/10 of the total daily dose of morphine. However, a standard fixed-dose is unlikely to suit all patients and all pains, particularly because the intensity and the impact of episodic pain vary considerably. Further, episodic pain has a relatively rapid onset and short duration whereas oral morphine has a relatively slow onset of action (20-30 minutes) and relatively long duration of effect (3-6 hours). (Collins, 1998)

The use of an opioid with a high bio-availability, a rapid onset of action and a relatively short duration of effect, and which can be administered by a convenient route and provide rapid absorption should improve the management of episodic pain. Injections provide rapid onset of analgesia but are not always feasible. (Walker, 2002) Other non-oral routes of administration include transmucosal, sublingual, intranasal and inhaled. (Walker, 2002) Opioids which are lipophilic and which can be formulated in a small volume are the best choices for these routes, e.g. transmucosal fentanyl. (Coluzzi, 2001; Twycross, 2002) In one trial, a reduction in pain score of >33% was reported after 15 minutes by 42% of patients with transmucosal fentanyl and 32% with morphine. (Coluzzi, 2001) At the end of the trial, 94% of the patients opted to continue with transmucosal fentanyl, rather than morphine. This is somewhat surprising given the modest difference in relief at 15 minutes, and the fact that it generally takes 8-10 minutes, sometimes longer, of rubbing movements up and down the cheeks to extract all the fentanyl from the ‘lozenge on a stick’. Even for a fit person, this is a tiring activity.

Available therapeutic options for episodic pain are...
likely to increase in the near future; both the range of opioids available and the variety of delivery systems. (Duncan, 2002; Pavis, 2002) Meanwhile, moving from a rigid system based on a fixed ratio of supplementary morphine to a more individual approach may well result in significant improvement for many patients.

**Other predictive factors for ‘difficult-to-manage’ pain**

Two other factors reported in the study of factors associated with a poor pain relief prognosis were:

- the need to increase the opioid dose several times a week
- a history of alcohol or drug abuse. (Bruera, 1995)

The first factor relates to both intrinsic ‘opioid unresponsiveness’ (Box D) and to patients with major psychological distress (see later). The second factor relates to the psychological coping mechanisms used by a person when life becomes severely challenging. If someone uses analgesics in the same way as they have used drugs and/or alcohol (as an attempt to escape reality by ‘drowning their sorrows’), there will be a high risk of somatisation and wildly inappropriate use of p.r.n. medication. With drug addicts it is best to have a formal written contract about the supply of opioids so as to reduce the risk of ‘drug chaos’. (Hansen, 1999)

**Box D: Opioid unresponsive pain in cancer: A clinical classification**

<table>
<thead>
<tr>
<th>Pseudo-unresponsive</th>
<th>Under-dosing</th>
</tr>
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<tbody>
<tr>
<td>Poor alimentary absorption (rare)</td>
<td></td>
</tr>
<tr>
<td>Poor alimentary absorption because of vomiting</td>
<td></td>
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<tr>
<td>Ignoring psychological aspects of care</td>
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**Semi-responsive**

- Soft tissue
- Muscle infiltration, associated with local inflammation
- Bone metastasis
- Neuropathic (many)
- Raised intracranial pressure
- Activity-related

**Unresponsive**

- Muscle spasm

**Opioid-induced pain**

Opioids and their metabolites can cause neurotoxicity, particularly when given in high doses or to susceptible patients. In florid cases, neurotoxicity manifests as myoclonus (muscle twitching), allodynia (skin pain provoked by a non-noxious stimulus, e.g. light touch), hyperalgesia (a painful stimulus becomes relatively more painful) and, more rarely, seizures. (Kaiko, 1983; Sjogren, 1993; De-Conno, 1991; Hagen, 1997)

Sometimes these are compounded by drowsiness and delirium. The reported incidence of neutotoxicity varies widely, depending partly on definition. (Bruera, 1996) However, opioid-induced pain is rare.

Neurotoxicity was first reported several decades ago in association with pethidine, (Kaiko, 1983) but nowadays it is seen mainly with morphine. This may be because morphine is the most widely used strong opioid for cancer pain or because its main metabolite, morphine-3-glucuronide, is more neurotoxic than other opioids and their metabolites. (Labella, 1979)

The following case history is a dramatic example of opioid neurotoxicity.

**Case history 2**

A 39 year-old man with testicular cancer developed sudden severe back pain and lower limb dysfunction. CT demonstrated bone destruction in L2 vertebra with associated neural compression. Increasing doses of oral and intravenous (IV) opioids failed to relieve the pain. Spinal analgesia (epidural followed by intrathecal) was no better despite the combined use morphine, local anaesthetic and clonidine, as well as IV hydromorphone. When transferred to a palliative care unit, he was receiving daily the equivalent of 86 grams of oral morphine. Increasing the amount of IV hydromorphone to 80 mg/h, and 40 mg every 15 min p.r.n., was accompanied by increasing pain. IV midazolam 20 mg/h was added. He repeatedly said that he would prefer to die rather than continue to experience the unbearable pain. Further measures included increasing the intrathecal morphine to 1150 mg/day, and adding IV phenytoin, IV dexamethasone, IV ketamine and IV fentanyl. With all this he began to have short periods of sleep and intermittent periods of pain relief. It was suggested that he might be suffering from opioid-induced hyperalgesia. The dose of intrathecal morphine was reduced 60-fold, from 6 mg/ml to 0.1 mg/ml (19 mg/day), while the other
medication remained unchanged. Within 6 hours the patient reported greater comfort, and subsequently stopped administering p.r.n. doses. The hydromorphone was reduced after 24 hours, and stopped after 48 hours; all other analgesics and adjuvant were discontinued over the next 24 hours. He remained comfortable on intrathecal local anaesthetic, clonidine and morphine 17 mg/day. He used oral morphine for break-through pain. He died in comfort at home 6 weeks later. (Wilson, 2003)

Although unusual because of the extra-ordinary doses of both intrathecal morphine and IV hydromorphone, this case history is an excellent example of opioid-induced hyperalgesia. The authors state that the case history also illustrates the truth of the adage that pain is a physiological antagonist of the central depressant effects of morphine. Despite receiving daily the equivalent of over 200 grams of oral morphine, he remained, awake, lucid, and involved in his management. However, the primary reason for his continued wakefulness was probably the presence of extremely high concentrations of non-analgesic neuro-excitatory metabolites, principally morphine-3-glucuronide and hydromorphone-3-glucuronide. (Gong, 1992; Smith, 2000)

Early reports of morphine-induced neurotoxicity related to either intrathecal or high-dose IV administration. However, subsequent reports demonstrated that neurotoxicity can occur with ‘normal’ oral or parenteral doses (Table 1). (Sjogren, 1994)

Suffering

Suffering can be defined as a state of severe distress caused by events which threaten the integrity of a person. (Cassell, 1983; Cassell, 1991) Suffering and pain are not synonymous. Thus, what I as an observer may think must be a major cause of suffering for the patient may not be so. (Cassell, 1983) However, people in pain commonly report suffering from pain when:

- they feel out of control
- the cause is unknown
- the pain is intractable
- the intensity of the pain is overwhelming
- the meaning of the pain for them is that the cancer is progressing inexorably and that they will soon die.

Thus, when evaluating a new patient, it can be helpful to ask, ‘And what causes you the most suffering?’ Relief of pain and other distressing symptoms is rightly seen as the primary goal of palliative care, and competent symptom management means that patients can generally expect to be almost free of pain. (WHO, 1990) A high measure of relief can also be expected with many other symptoms. However, if no longer distracted and exhausted by unrelieved pain, patients may become distressed emotionally and spiritually as they contemplate their approaching death. Few do this with equilibrium. Most defend themselves psychologically in various ways, but some are overwhelmed with anguish, rage, or fear about what is happening to them. This is likely to exacerbate pain and other symptoms. Sometimes a patient cannot openly acknowledge their distress and, instead, expresses it through a symptom such as pain.

Case history 3

A 79 year-old woman, previously exceptionally fit, developed epigastric pain. When investigated she was found to have cancer of the pancreas. The pain was initially readily controlled by slow-release morphine 30 mg every 12 hours. She then began to experience intense central abdominal colic for several hours every 2-3 days. Between attacks she was her normal vivacious self. When the pain was present she would moan and groan and express feelings such as ‘I can’t go on’, ‘I’d rather die than have this pain’, ‘If I were a dog you’d put me down’. At times she was inconsolable. The pain appeared to be functional rather than organic, and radiological investigations demonstrated
only constipation. It was not possible to reduce the
dose of morphine because a reduction was followed
within 1-2 days by another severe episode of pain -
which needed more morphine to control it. Eventu-
ally it seemed that the patient accepted that the pain
was functional and not caused by the cancer. How-
ever, within a few days, she began to experience inter-
mittent attacks of cramp in the left quadratus
lumborum muscle related to a myofascial trigger point.
This was explained to her and she was treated with
local massage whenever she had an attack. Because
the attacks continued, she was treated by local injec-
tion of bupivacaine into the trigger point. Then, within
a few days, she began to experience functional intesti-
nal pains again. Although visited regularly by a psy-
chologist, she remained locked in her recurring an-
guish, and most of her final months were spent in bed
in a palliative care unit.

This case history is a good example of a common prob-
lem in patients with unresolved fears, unexpressed
anger and emotional conflicts. Functional abdominal
pain may well have been her way of expressing nega-
tive emotions throughout her life. If this was so, it
was not surprising that it proved impossible to pre-
vent her recurring episodes of agonising pain. The situ-
ation eventually developed into a vicious downward
spiral of more morphine, more laxatives and more seda-
tives until the patient finally died. Such situations are
extremely demanding for everyone involved. They en-
gender feelings of failure and of guilt. Good commu-
nication between all the carers is essential in order to
clarify goals (which may change) and to provide on-
going mutual support. In contrast, other people work
through great psycho-spiritual distress, and achieve a
remarkable measure of acceptance and peace, as dem-
monstrated in the following account.

Case history 4
A 34 year-old woman had widely disseminated breast
cancer. In the past, she had two still-born children,
but now had a 3 year-old son. While relatively well
she had coped with her situation by intellectualisa-
tion, and had made all the necessary arrangements for
her approaching death. However, as she weakened it
was clear that she had not come to terms with her
illness psychologically. Now she was asking, ‘Why all
this? Why me?’ She grieved about her past bereave-
ments; she wanted to be able to collect her son from
the playschool, and to cuddle him, but could no longer
do so. She lamented her increasing dependence and
feared the possible future loss of control over physical
functions. Her grief was compounded by overwhelm-
ing intractable pain. She said, ‘I am resigned to the
fact that this is my lot. It is the pain I cannot accept.
Dying is all right, but there is no reason for this pain,
no purpose in it. I am no longer angry with God for
my fate, but why this pain?’ Oral morphine in doses
up to 1500mg/24h was ineffective. Episodes of shat-
tering pain continued and she was miserable and of-
ten withdrawn. The slightest movement caused her to
crease in pain. For relief, large and frequent doses of
IV diazepam were required. Epidural morphine was
commenced at this stage and was continued for 5
weeks. Gradually she came to terms with her situa-
tion. As this occurred, her need for analgesia became
less and eventually she was kept pain-free on morphine
10mg by mouth every four hours. She improved to
the point where she could be wheeled down the road
on an ambulance trolley to buy some chocolate for
her son, and to visit a nearby art gallery the day before
she died.(Lichter, 1991)

‘Good enough’ pain relief
When considering pain management, it is necessary
to bear in mind that:
• pain relief is not an ‘all or none’ phenomenon
• all pains are not equally responsive to analgesics
• some pains continue to be brought on by weight-
bearing and/or activity
• relief is not generally a ‘once and for ever’ exer-
cise; old pains may re-emerge as the disease
progresses and new pains develop.

When these points are taken into account, the pri-
mary goal of pain management can be redefined as
helping patients move from a position in which they
are overwhelmed by the pain to one in which they
establish mastery over the pain. When a patient is over-
whelmed by pain, the pain becomes all-embracing.
When sufficiently improved, a patient may say:
‘I still have the pain, but it doesn’t worry me
anymore.’
‘It’s still there, but it’s not what you’d call pain.’
‘I can get on with things and forget it now.’
Of course, the ultimate goal remains complete relief. But, in practice, partial relief is acceptable provided the patient is much more comfortable, mentally rested, and both patient and family are demonstrating ‘mastery’ of the situation. In this situation there is little need to pursue relentlessly the ultimate goal using neu- rolytic or neurosurgical techniques which do not guarantee success but may well be complicated by weakness, numbness or incontinence.

The concept of ‘mastery over pain’ is supported by studies using the Wisconsin Brief Pain Inventory. (Daut, 1982) When using the inventory, patients rate both pain intensity and how much the pain interferes with a range of activities, scored on a scale of 0-10. Patients with pain rated 1-3 record little impact on either activity or enjoyment of life.

Case history 5
A 66 year-old man with local spread of a bladder cancer became exhausted and greatly distressed because of insomnia caused by ‘round-the-clock’ frequency of micturition and by pain in the lower abdomen and legs. The frequency of micturition and insomnia were both corrected by appropriate drug treatment. However, despite increasing the morphine to above the maximum tolerated dose, he continued to experience ‘a golf ball’ sensation in the perineum, ‘but it’s not really painful’, and intermittent pain in the right L5 dermatome. This was generally mild, but occasionally became more intense. Because lowering the dose of morphine did not make the pain worse, it was concluded that this particular pain was probably only partly responsive to opioids. Further, because the residual pain had only minimal impact on the patient’s activity and enjoyment of life, it was decided not to recommend a nerve block or other invasive procedure at this stage.

The contrast between the man’s condition at his initial assessment and subsequent reviews continued to be considerable, despite occasional trouble with constipation or frayed emotions. So, was his pain controlled or was it not? In absolute terms, no: but, in his estimation, yes.

Realistic expectations
Understandably, many cancer patients with long-standing pain have a low expectation of relief. Thus, when first seen, all patients should be assured that the situation can be improved, and that it is generally possible to make good progress within a week in terms of pain relief. (Grond, 1996) With few exceptions, it is possible to achieve at least some improvement within 48 hours. However, it is generally wise to aim at ‘graded relief’. Further, because some pains respond more readily to treatment than others, improvement must be evaluated in relation to each pain.

The initial target is a pain-free, sleep-full night. Some patients have not had a good night’s rest for weeks or months and are exhausted and demoralised. To sleep through the night pain-free and wake refreshed is a boost to both the patient’s and the doctor’s morale. Next, one aims for relief at rest in bed or chair during the day, and finally for freedom from pain on movement. Even though the latter is not possible in some 10-15% of patients, relief at night and when resting during the day gives the patient new hope and incentive. This enables him to begin to live again despite limited mobility; freed from the nightmare of constant pain, the last weeks or months of life take on a new look.

However, the doctor and other carers must be determined to succeed, and be prepared to spend time evaluating and re-evaluating the patient’s pain and other distressing symptoms. In addition, a balance is needed between ‘marking time’ therapeutically (capitalising on the impact of improved sleep and morale) and pressing on decisively with further initiatives. If this skill is not developed, the doctor and patient become trapped in the ‘one step behind’ syndrome. Most of the right things will be done, but always several days or weeks too late. (Fenton, 1992, Hunt, 1977)

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References


