Editor, – I read the article about testing for HFE-related haemochromatosis with interest (Aust Prescr 2011;34:73-6). Over the last 10 years I have ordered ferritin tests in over 1211 individual patients – 229 of them were found to have abnormally elevated ferritin levels. Haemochromatosis gene testing was ordered for 120 of them and there were 47 positive results. This means a significant cohort of patients with elevated ferritin do not have a positively identified mutation.

My hypothesis is that:

- there are more genotypes yet to be discovered which are responsible for elevated ferritin levels in Asian people
- this (undetected and untreated) elevated ferritin may deposit in the pancreas and liver, and to some extent contributes to the high rate of diabetes and fatty livers that are so prevalent in Asian people.

Unfortunately, this is just a hunch and I do not have the detailed breakdown of these tests.

Chenault Doug Lee
General practitioner
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Managing aggressive and violent patients

Editor, – We have some concerns about the approach to sedation of patients with aggression and violence suggested by Professor Fulde and Associate Professor Preisz (Aust Prescr 2011;34:115-8). Large numbers of patients require parenteral sedation with physical containment which can be hazardous to staff and requires a standardised approach.

Recent research supports the use of different drugs and initial intramuscular sedation for most patients. One study demonstrated that the duration of acute behavioural disturbance was reduced when intramuscular sedation was employed.1 Intravenous sedation requires sufficient staff to restrain the patient, otherwise it is dangerous with the risk of needle stick or physical injury. However although intramuscular midazolam is used most commonly, recent evidence demonstrates that it is unpredictable due to over- or under-sedation.2 A controlled trial found that 10 mg intramuscular midazolam caused adverse events in 28% of patients compared to 6% with droperidol.2

Only the antipsychotics olanzapine and haloperidol were suggested for sedation in the article. Haloperidol is not very sedative and has a black box warning by the US Food and Drug Administration (FDA) for confirmed reports of QT prolongation and torsades des pointes. Parenteral olanzapine has never been shown to be effective in the emergency department setting.3 Droperidol is safer and more effective for sedation of acute behavioural disturbance in the emergency department.2 It has been used extensively and rarely causes over-sedation. There have been concerns about QT prolongation and torsades des pointes. Despite an FDA black box warning this has not been confirmed in a systematic review.4

We now routinely use 10 mg intramuscular droperidol for initial sedation and repeat the dose after 15 minutes if required. In 412 patients sedated this way, 66% became sedated with one dose. Minor adverse events occurred in 5.5% of patients but no patient had QT prolongation.

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References

Improving Aboriginal and Torres Strait Islander people’s access to the Pharmaceutical Benefits Scheme

Editor, – While the article by Noel Hayman (Aust Prescr 2011;34:38-40) is factual and highlights the benefit of the Closing the Gap (CTG) Pharmaceutical Benefits Scheme (PBS) incentive payment scheme, it does not highlight the gaps that were not addressed in the implementation of the scheme.

In many locations there is very limited access to mainstream general practitioner services or to an Aboriginal health service and many of the ‘general practitioner’ services are provided by state hospitals that have the right to prescribe PBS-subsidised medications.

These state hospitals provide general practitioner services and provide PBS prescriptions to Aboriginal and Torres Strait
Islander patients but community pharmacy cannot provide a subsidised service as the CTG initiative does not include state hospital services. In August 2010, the CTG PBS initiative was expanded to include prescriptions written by specialists but state hospital doctors were still excluded.

Many Aboriginal and Torres Strait Islander patients become very confused because when they access a mainstream general practitioner they can receive a CTG prescription which is subsidised for them in community pharmacy, but if they access the hospital service after hours the PBS prescription they receive is not subsidised and they have to pay the full PBS price. Many general practitioner practices no longer provide after hours or weekend services so these patients are forced to use the state hospital services outside of normal practice hours.

This disparity of access has been discussed many times and is still a major issue in providing optimal care for Aboriginal and Torres Strait Islander people.

Karalyn J Huxhagen
Pharmacist
Mackay, Qld

Associate Professor Hayman, author of the article, comments:
It is not uncommon after the implementation of government policy that unexpected gaps in delivery become apparent. I have been aware of the problem that Karalyn Huxhagen highlights for some time.

Another gap I have identified is in medical services that are not accredited in quality of practice and therefore their patients cannot access the CTG PBS initiative. While this may be satisfactory in urban settings it is very problematic in rural and remote areas where unaccredited medical services are common. Aboriginal and Torres Strait Islander patients from these clinics are disadvantaged causing the disparity of access pointed out by Karalyn Huxhagen. The CTG PBS policy causes conflict where there is a combination of accredited and non-accredited services in a rural or remote area. Aboriginal patients are forced to go to the accredited service to access the CTG PBS program, leaving their preferred doctor of choice. This leads to disjointed care.

The Department of Health and Ageing is committed to an evaluation process of all CTG programs. Sentinel sites have been established across Australia to evaluate CTG initiatives. I have personally given feedback on the problems outlined in this response. The evaluation process will continue over the next year and hopefully all gaps identified will influence a change in policy, particularly those that will correct the gaps in service delivery and access for all Aboriginal and Torres Strait Islander peoples.

Anaphylaxis wallchart
Editor, – I write in response to the anaphylaxis wallchart1 and would like to comment on the impracticality of advising Epipen as an alternative to adrenaline ampoules and syringe.

I am sure the Editorial Committee of Australian Prescriber are aware that Epipen is only subsidised when it is prescribed by clinical immunologists, paediatricians and respiratory physicians but not by other health professionals. Other doctors must purchase it privately at a cost of $104. Because it does not last long, replacing stock is costly. Even when I was a member of the Australasian Society of Clinical Immunology and Allergy, I could not prescribe Epipen on authority as I am a dermatologist. It did not matter that some of my patients with eczema had a severe peanut or latex allergy, I still was not allowed to write an authority prescription.

Perhaps if Epipen was available as a doctor’s bag item under the Pharmaceutical Benefits Scheme (PBS),2 health professionals may have better access. It would make sense to have Epipen as an alternative on the wallchart, but until such time, it is too expensive to place it as a viable alternative to adrenaline ampoules for health professionals.

References

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The Australasian Society of Clinical Immunology and Allergy comments:
Both Epipen and Anapen are classified as Schedule 3 medicines and are available without prescription at full retail price or through PBS authority prescriptions. As determined by Medicare, PBS regulations stipulate that initial authority prescriptions are given when risk and clinical need has been assessed by, or in consultation with, a clinical immunologist, allergist, paediatrician or respiratory physician or after hospital or emergency department discharge for acute allergic anaphylaxis treated with adrenaline.

Any medical practitioner can prescribe an adrenaline autoinjector in consultation with one of the specialists listed above, initially by telephone. The patient should then be referred to an allergy specialist for assessment. Renewal prescriptions for adrenaline autoinjectors can be provided by any medical practitioner, and both adults and children at risk of anaphylaxis are eligible for up to two adrenaline autoinjectors per authority prescription.