Domestic violence, PTSD, and diagnostic enquiry

It was refreshing to read a paper\(^1\) and editorial\(^2\) that sought to identify causes of patients’ anxiety in their life events, as patients complain that doctors often fail to ask why they are anxious or depressed.\(^3\) The reported research identified domestic violence and abuse (DVA) as a cause of anxiety using the HARK questions (four short questions relating to Humiliation, being Afraid, Raped, and Kicked).\(^4\)

The paper also notes that the Generalised Anxiety Disorder Scale (GAD-7) can be used as a ‘case-finder’ for panic-disorder, social anxiety disorder, and post-traumatic stress disorder (PTSD), as well as generalised anxiety disorder (GAD). The questions of the GAD-7 overlap with the questions required to make the diagnoses above, that is why GAD-7 can act as a ‘case-finder’.\(^5\) However, I think it is a mistake to conclude from the paper that domestic violence causes GAD, as the editorial seems to. Sherina et al do not claim this. They did not pursue further analysis of the type of anxiety disorder patients were suffering from in their research. Diagnostic rigour helps the doctor and patient understand the consequences of DVA and thus find appropriate solutions. Sherina et al discuss the association of PTSD and DVA. A meta-analysis\(^6\) on the prevalence of mental health problems among those who had experienced DVA found mean prevalences of 63.8% in 11 studies of PTSD, 47.6% in 18 studies of depression, 17.9% in 13 studies of suicidality, 18.5% in 10 studies of alcohol abuse, and 8.9% in four studies of drug abuse. Dose-response relationships of violence to depression and PTSD were observed.

The best explanatory model linking domestic violence and anxiety disorders is PTSD. It makes sense that terrifying and humilitating experiences of DVA result in nightmares, flashbacks [intrusive thoughts], avoidance behaviours, and hyper-arousal. However, a positive GAD-7 score may usefully act as a tool of communication, and a prompt to the GP for further questioning about PTSD symptoms and DVA using HARK questions.

The linked editorial\(^7\) correctly identifies the lack of evidence for the use of ‘routine enquiry’ for DVA in general practice, as opposed to its evidence-based use in antenatal clinics.\(^8\) This is reiterated by the Department of Health.\(^\)\(^9\) I am writing the RCPs e-learning course on DVA. I encourage GPs to work from patients’ symptoms, using ‘diagnostic enquiry’ rather than ‘routine enquiry’.\(^10\) The course will, I hope, provide safe, pragmatic guidance that is congruent with how we GPs work.

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\(^{4}\) Sohal H, Eldridge S, Feder G. The sensitivity and specificity of four questions (HARK) to identify intimate partner violence: a diagnostic accuracy study in general practice. BMC Fam Pract 2007; 8: 49.


Pulse oximetry in primary care

Plüddemann et al write about the use of pulse oximetry. This seems to be one of the new trio of diseases—the other two being D-dimers for blood clots, and troponin for the detection of myocardial damage.

All three tests need to be used appropriately in their clinical situation. It seems from observation that the SpO₂ can vary significantly over a fairly short period of time, and with an error of 2% this can make a big difference to the reliability of the reading. This becomes especially true of those with chronic obstructive pulmonary disease—when their normal saturations can be really quite low.

All three tests need to be used appropriately and co-related to the clinical picture. It is very tempting to use anything numerical as having greater power than softer signs of speech, use of accessory muscles, and primarily, clinical history. Ill advised use of these tests will inevitably lead to increasing hospital admission, maybe particularly in the out-of-hours care of patients.

In assessing a patient, there are often pivotal cues, symptoms, or signs that open up the diagnosis. I think we all develop a primacy of signs, those bits of information that we rely more heavily on in making clinical decisions. We can allow something with a number attached, especially with a guideline behind it, to become the primary sign. However, I believe good general practice involves weighing up history, examination, and other data. If our action is determined by one or two bits of information I think we will lose our touch as generalists.

Pulse oximeters are useful tools as part of our armamentarium. But if doctors continue to become more risk averse, and rely on gadgets rather than the whole clinical picture,iatrogenic disease will continue to increase.

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Tips for GP trainees working in general surgery

We welcome the recent very helpful article from Smith et al which has broad relevance to all those who are not career surgeons when they embark on their surgical attachments. This article sensibly recognises there is often more than one way to investigate and, for instance when considering renal colic, offers wise advice that will limit unnecessary exposure to radiation.

We cannot, however, agree with the advice, ‘If unsure whether an erect chest X-ray and abdominal X-ray is warranted, get one anyway.’ Exposure to potentially unnecessary radiation should not be ignored and an abdominal X-ray in the context of abdominal pain is one of the most overused plain films, with each abdominal X-ray being equivalent to approximately 35 chest X-rays. Selection of the most appropriate imaging is often difficult, and guidance, such as Making the Best use of Clinical Radiology Services produced by the Royal College of Radiologists, can be extremely useful in this setting. This document is available online throughout the NHS, is evidence based, and provides guidance both as to which investigations may be helpful in each clinical context, and provides a reference if you are asked to justify why you did not feel a particular investigation was appropriate. Radiologists are also generally very happy to offer advice on what is appropriate and may be a useful port of call if you find yourself being asked to request investigations routinely that do not clearly conform to such guidelines.

We suggest adding a point zero: always think for yourself. Seek advice when you need it, but be prepared to justify your own actions.

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