ABSTRACT

Objectives: We previously reported that 25% (108/441) of consecutive patients presenting to the emergency department (ED) of the Montreal Heart Institute with a chief complaint of chest pain suffered from panic disorder (PD). The purpose of the present study was to re-examine these patients (with and without PD) 2 years after their initial ED visit to determine their psychiatric and psychosocial status.

Methods: An interviewer, who was kept blind to patients’ initial medical and psychiatric diagnoses, attempted to contact all patients who participated in the initial study by phone. Patients who completed the phone interview were sent a battery of psychological questionnaires by mail.

Results: A total of 301 (70%) patients completed the phone interview, and 228 (52%) patients completed the self-report questionnaires. Participants and non-participants did not differ with respect to age, gender, initial self-report scores, or initial cardiac or psychiatric diagnoses. At follow-up, significantly (p < 0.05) more PD+ than non-PD (PD−) patients reported: 1) chest pains in the last month (57% vs. 31%); 2) one or more ED consultations in the past year for chest pain (40% vs. 14%); 3) one or more hospitalizations in the past year (31% vs. 11%); and 4) perceiving their general health as “poor” (22% vs. 9%). PD+ patients displayed a significant (p < 0.05) worsening of their panic symptoms, agoraphobic avoidance, depression, and trait anxiety, and reported significantly (p < 0.05) greater suicidal ideation compared to PD− patients (32% vs. 9%). Of all PD+ patients, only 22% (18/82) reported receiving some form of mental health treatment for their symptoms.

Conclusions: Unrecognized and untreated PD has a chronic and disabling course. Greater efforts should be made to screen for PD in patients complaining of chest pain in EDs.

Key words: panic disorder, chest pain, emergency department, outcome

RÉSUMÉ

Objectifs : Dans un article antérieur, nous avons signalé que 25 % (108/441) des patients consécutifs reçus à l’urgence de l’institut de cardiologie de Montréal dont la raison de consultation était une douleur thoracique souffraient d’un trouble panique (TP). La présente étude avait comme objectif de réexaminer ces patients (avec et sans TP) deux ans après leur visite initiale à l’urgence afin de déterminer leur statut psychiatrique et psychosocial.

Méthodes : Un enquêteur à qui les diagnostics médicaux et psychiatriques initiaux des patients ne furent pas révélés, tenta de contacter par téléphone tous les patients ayant participé à l’étude initiale. Les patients ayant répondu à l’entrevue téléphonique reçurent une batterie de questionnaires psychologiques par la poste.
Introduction

Chest pain is one of the most common symptoms prompting presentation to emergency departments (EDs). However, most chest pain patients do not have a clear cardiac cause for their symptoms. We previously reported that 25% (n = 108/441) of consecutive patients presenting to the ED of the Montreal Heart Institute with a chief complaint of chest pain met Diagnostic and Statistical Manual of Mental Disorders (DSM), 3rd ed, revised (DSM-III-R) criteria for panic disorder (PD). PD is characterized by recurrent panic attacks that consist of sudden episodes of intense fear or discomfort associated with several cognitive and somatic symptoms. Six of the 13 diagnostic symptoms of a panic attack are also cardinal features of cardiovascular diseases: chest pain, palpitations, sweating, shortness of breath, sensation of choking, and hot flushes. (See Table 1 for a summary of diagnostic criteria.)

Studies suggest that the overall prevalence of PD in patients with non-cardiac (i.e., with either normal angiograms or normal scintigraphic tests) chest pain lies between 34% and 56%. This makes PD 30 to 50 times more common in non-cardiac chest pain patients than in the overall population.

PD is a serious, debilitating anxiety disorder that if left untreated often has a chronic course and may lead to the development of other psychiatric conditions such as agoraphobia, depression and substance abuse disorders. Despite the apparent psychological and psychosocial distress exhibited by these patients, most panic disorder patients go undetected/unreported by physicians. We previously reported that 98% (106/108) of PD diagnoses go unrecognized by emergency cardiologists in a specialized chest-pain assessment unit. Hence, PD is both a common and highly distressing condition among chest pain patients. However, because PD is rarely detected or diagnosed in the cardiology and ED setting, the long-term psychiatric and psychosocial prognosis of these patients remains largely unexplored.

The purpose of the present study was to examine the psychiatric and psychosocial status of chest pain patients who met diagnostic criteria for PD 2 years after their initial ED consultation, and to compare their psychosocial status with that of chest pain patients not meeting diagnostic cri-
Methods

Patients
The Montreal Heart Institute’s Scientific and Ethics Committees approved the research protocol. Written informed consent was obtained from eligible patients. The initial sample consisted of 441 consecutive patients presenting to the ED of the Montreal Heart Institute with a chief complaint of chest pain. Diagnostic interviews conducted between February 1993 and June 1994 determined that 25% (n = 108) of the total sample met DSM-III-R criteria for PD (with or without agoraphobia). The DSM-III-R was the latest version of the DSM available at the time of the initial study, and diagnostic criteria from DSM-III-R and DSM-IV have essentially remained unchanged.21

An average of 2 years after their initial ED consultation visit (between May 1996 and December 1996), attempts were made to contact all patients by telephone and by mail. A total of 301 patients completed the phone interview (representing 70% of the initial sample) and were mailed the battery of self-report questionnaires; 228 of the 301 patients completed and returned the questionnaires (representing 52% of the initial sample).

Study site
The Montreal Heart Institute is a teaching hospital affiliated with the University of Montreal’s Faculty of Medicine; it specializes in cardiac care. The ED is currently staffed with both emergency physicians and cardiologists and is open to anyone who presents with potential cardiac symptoms. However, at the time the study was conducted, cardiologists (n = 30) exclusively staffed the ambulatory (walk-in) ED section on a rotating schedule of approximately 1 week per year.

Measures

Assessment for sampling bias: A series of one-way analyses of variance (ANOVAs) were conducted to evaluate whether subject loss for the follow-up phase of the study was biased or random. Variables of interest included participants’ and non-participants’ baseline age, gender, self-report scores, and cardiac and psychiatric diagnoses.

Phone interview: All patients were contacted by phone an average of 23 months (range 11–39 mo; standard deviation [SD] 5.4) after their initial ED visit for a 15- to 20-minute phone interview. The interview protocol consisted of 40 questions modified from Beitman and colleagues14 that pertained to the following 9 categories: 1) experience of chest pain in the past month; 2) number of medical consultations and hospitalizations for chest pain in the past year; 3) number of ED visits for chest pain in the past year; 4) perceived cause for chest pain symptoms; 5) work disability resulting from chest pain symptoms; 6) perceived health status; 7) suicidal ideation; 8) mental health treatment; and 9) psychotropic medication.

The interviewer was a trained doctoral-level graduate student in clinical psychology who was blind to each patient’s initial medical and psychiatric diagnoses, as well as to the specific hypotheses of the study.

Self-report questionnaires: At the end of the phone interview, patients were asked to complete a series of self-report questionnaires, which were mailed to them shortly after the interview. All questionnaires are widely used in research and clinical practice and display good to excellent psychometric properties. The Panic–Agoraphobia scales selected came highly recommended by a group of leading panic researchers as essential instruments to use in studies examining panic.22 All questionnaires were identical to those completed during their initial ED visit and take between 20 and 45 minutes to complete. The complete battery of tests was as follows: Panic–Agoraphobia: Agoraphobia Cognitions Questionnaire (ACQ),23 Mobility Inventory for Agoraphobia (MIA),24 Body Sensations Questionnaire (BSQ),23 Anxiety: State–Trait Anxiety Inventory (STAI),25 and Depression: Beck Depression Inventory (BDI).26

Probability of panic disorder diagnosis at follow-up: To examine the probability that PD patients identified during the initial ED consultation would still meet criteria for PD at follow-up, scores on the ACQ and MIA and the sensory subscale of the Short-Form McGill Pain Questionnaire27 (not presented here; for a detailed description see reference 10) were entered into the Montreal Heart Panic Model.24 This logistic regression model correctly classifies 84% of chest pain patients into “PD” and “no PD” categories with a sensitivity of 59% and specificity of 93%.28 Others have recently revalidated this model in an outpatient cardiology chest pain population, correctly classifying 78% of 199 patients into PD and no PD categories with a sensitivity of 58% and specificity of 81%.29

Analyses
PD and non-PD patients’ dichotomous measures obtained during the phone interview were analyzed using chi-squared procedures. PD and non-PD patients’ follow-up measures on
the self-report questionnaires were analyzed using one-way ANOVAs. To examine the course of PD over 2 years, analyses of PD patients’ baseline and follow-up measures on the self-report questionnaires were conducted using repeated measures ANOVAs. Level of significance was set at \( p < 0.05 \).

**Results**

**Patient characteristics**

The 2 study groups were classified as having PD (PD+) or not having PD (PD−) according to whether they met DSM-III-R diagnostic criteria for PD at the time of their initial ED consultation. Of the 301 patients who completed the phone interview, a total of 82 patients were classified as PD+ and 219 patients were classified as PD−. Of these patients, 61% were male and had a mean age of 56.9 (SD 11.5) years. Of the 228 patients who completed the self-report questionnaires, 60 were classified as PD+ and 168 were classified as PD−. Of these patients, 61% were male and had a mean age of 56.7 (SD 11.4) years (Table 2). A complete description of the initial sample’s information is provided elsewhere.\(^{10}\) Noteworthy is that 145 (47.4%) who completed the phone interview had a documented history of coronary artery disease (CAD) (documented past myocardial infarction, positive angiographic study, percutaneous transluminal coronary recanalization or coronary artery bypass graft). Of these, 31/145 were in the PD+ group and 114/145 in the PD− group. Initial discharge chest pain diagnoses were obtained for 89% (267/301) of patients reached by phone. One hundred patients were diagnosed with typical angina pain (37%), 167 patients with non-cardiac chest pain. Eighty-one percent of patients with PD+ (\( n = 58 \)) were discharged with a diagnosis of non-cardiac chest pain.

**Assessment for sampling bias**

Due to the relative degree of subject loss from the initial study to follow-up, we compared patients who completed both the follow-up interview and questionnaires (\( n = 228 \)) to those from the initial sample who did not (\( n = 213 \)) using baseline data obtained during their initial ED visit. These comparisons revealed no significant differences between participants and non-participants with respect to baseline age, gender, self-report questionnaire scores, psychiatric diagnoses or cardiac diagnoses. Subject loss from baseline to follow-up was therefore determined to be random.

**Follow-up status**

**Phone interview:** We found significant differences between PD+ and PD− on several measures of psychosocial disability (Table 3). Significantly more PD+ than PD− patients reported 1) experiencing chest pain in the past month, 2) at least one or more ED consultations in the past year and 3) at least 1 or more hospitalizations in the past year. A greater proportion of PD+ than PD− patients judged their general health as poor and reported having suicidal ideation in the past week. Finally, despite their apparent disability and distress, just over 20% of PD+ patients reported receiving some form of mental health treatment, although significantly more PD+ than PD− patients were taking anti-anxiety medication (benzodiazepines) at the time of the follow-up interview.

**Self-report questionnaires:** At follow-up, PD+ patients continued to exhibit significantly higher panic–agoraphobia, state and trait anxiety, as well as depression scores than PD− patients (Table 4). However, it is noteworthy that both groups of patients showed increases on these scales from baseline (Figs. 1–3).

**Probability of PD diagnosis at follow-up:** At follow-up, 57 of the 60 PD+ patients who completed the self-report questionnaires screened positive for PD using the Montreal Heart Panic Model previously described. This suggests that 97% of patients meeting diagnostic criteria for PD during their initial ED consultation probably still met diagnostic criteria for PD at follow-up.

**Discussion**

This study examined the psychosocial status of chest pain patients who met DSM-III-R diagnostic criteria for panic

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**Table 2. Demographic information of follow-up patients who completed the phone interview (\( n = 302 \)) and self-report questionnaires (\( n = 228 \))**

<table>
<thead>
<tr>
<th>Variable</th>
<th>Phone interview</th>
<th>Self-report questionnaire</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Study groups</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PD+, no.</td>
<td>82</td>
<td>60</td>
</tr>
<tr>
<td>PD−, no.</td>
<td>219</td>
<td>168</td>
</tr>
<tr>
<td>Age, yr (and SD)</td>
<td>56.9 (11.5)</td>
<td>56.7 (11.4)</td>
</tr>
<tr>
<td>Males, no. (and %)</td>
<td>184 (61)</td>
<td>139 (61)</td>
</tr>
<tr>
<td>Living alone, no. (and %)</td>
<td>93 (31)</td>
<td>68 (30)</td>
</tr>
<tr>
<td>Unemployed, no. (and %)</td>
<td>166 (55)</td>
<td>130 (57)</td>
</tr>
<tr>
<td>High school education or less, no. (and %)</td>
<td>205 (68)</td>
<td>157 (69)</td>
</tr>
</tbody>
</table>

*Patients were classified according to whether they met DSM-III-R diagnostic criteria for panic disorder (PD) at the time of their initial emergency department consultation. DSM-III-R = Diagnostic and Statistical Manual of Mental Disorders, 3rd ed rev, 1987. PD+ = Patients classified as having panic disorder; PD− = patients classified as not having panic disorder, according to criteria described above.*
disorder, an average of 2 years after their initial ED consultation, and compared their functioning with that of chest pain patients not meeting diagnostic criteria for panic disorder in the ED. The results showed that compared to PD– patients, a significantly greater proportion of PD+ patients reported continued chest pains, nearly 4 times as many ED visits for chest pain, and nearly 3 times as many cardiac hospitalizations. Moreover, PD+ patients exhibited significantly greater psychological distress and judged their general health as poor relative to PD– patients.

Table 3. Psychosocial disability in patients with (PD+) and without (PD–) panic disorder, as reported by patients during phone interview

<table>
<thead>
<tr>
<th>Measure of disability</th>
<th>PD+ (n = 82)</th>
<th>PD– (n = 219)</th>
<th>Chi-square</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chest pain (last month)</td>
<td>57.3</td>
<td>31.3</td>
<td>17.3*</td>
</tr>
<tr>
<td>ED consultations (past year)</td>
<td>40.2</td>
<td>13.8</td>
<td>25.3*</td>
</tr>
<tr>
<td>Hospitalizations (past year)</td>
<td>30.5</td>
<td>11.2</td>
<td>16.4*</td>
</tr>
<tr>
<td>Unable to work due to symptoms</td>
<td>9.8</td>
<td>6.3</td>
<td>1.1</td>
</tr>
<tr>
<td>General health perceived as:</td>
<td></td>
<td></td>
<td>14.1*</td>
</tr>
<tr>
<td>poor</td>
<td>22.2</td>
<td>8.9</td>
<td></td>
</tr>
<tr>
<td>fair</td>
<td>32.1</td>
<td>26.8</td>
<td></td>
</tr>
<tr>
<td>good</td>
<td>40.8</td>
<td>50.9</td>
<td></td>
</tr>
<tr>
<td>excellent</td>
<td>4.9</td>
<td>13.4</td>
<td></td>
</tr>
<tr>
<td>Perceived cause for symptoms:</td>
<td></td>
<td></td>
<td>1.8</td>
</tr>
<tr>
<td>cardiac</td>
<td>30.1</td>
<td>34.0</td>
<td></td>
</tr>
<tr>
<td>gastrointestinal</td>
<td>5.5</td>
<td>9.4</td>
<td></td>
</tr>
<tr>
<td>stress, anxiety, panic</td>
<td>64.4</td>
<td>56.7</td>
<td></td>
</tr>
<tr>
<td>Suicidal ideation (past week)</td>
<td>31.5</td>
<td>9.4</td>
<td>15.5*</td>
</tr>
<tr>
<td>Receiving mental health treatment</td>
<td>22.0</td>
<td>7.1</td>
<td>8.2*</td>
</tr>
<tr>
<td>Taking psychotropic medication:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>antidepressants</td>
<td>8.5</td>
<td>5.8</td>
<td>0.7</td>
</tr>
<tr>
<td>benzodiazepines</td>
<td>48.8</td>
<td>33.9</td>
<td>5.7*</td>
</tr>
</tbody>
</table>

* p = < 0.05; ED = emergency department

Table 4. Means and standard deviations (SDs) calculated from responses on self-report questionnaires done by patients with (PD+) and without (PD–) panic disorder

<table>
<thead>
<tr>
<th>Measure</th>
<th>PD+ (n = 60)</th>
<th>PD– (n = 168)</th>
<th>F test</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panic–Agoraphobia</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mobility Inventory for Agoraphobia</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accompanied</td>
<td>1.6 (0.8)</td>
<td>1.4 (0.7)</td>
<td>9.2*</td>
</tr>
<tr>
<td>Unaccompanied</td>
<td>1.9 (0.9)</td>
<td>1.6 (0.9)</td>
<td>10.9*</td>
</tr>
<tr>
<td>Agoraphobia Cognitions Questionnaire</td>
<td>1.7 (0.7)</td>
<td>1.5 (0.7)</td>
<td>11.1*</td>
</tr>
<tr>
<td>Body Sensations Questionnaire</td>
<td>2.2 (0.7)</td>
<td>1.9 (0.9)</td>
<td>5.2*</td>
</tr>
<tr>
<td>Anxiety</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>State–Trait Anxiety Inventory</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>State anxiety</td>
<td>46.3 (14.0)</td>
<td>37.8 (12.5)</td>
<td>21.0*</td>
</tr>
<tr>
<td>Trait anxiety</td>
<td>47.6 (10.3)</td>
<td>42.8 (8.8)</td>
<td>21.1*</td>
</tr>
<tr>
<td>Depression</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Beck Depression Inventory</td>
<td>14.8 (10.9)</td>
<td>8.8 (7.8)</td>
<td>30.1*</td>
</tr>
</tbody>
</table>

* p = < 0.05
These findings are consistent with those reported by Beitman and colleagues, who examined 36 PD+ and 36 PD– chest pain patients, an average of 3 years after angiographic testing. At follow-up, significantly more PD+ patients experienced chest pain and viewed their general health as poor relative to PD– patients. Our results are also similar to those of Roy-Byrne and colleagues, who found that at a follow-up of 4–10 months, significantly more PD+ than PD– patients demonstrated an inability to work, more frequent ED and outpatient physician visits, and higher hospitalization rates. Our results are also comparable to epidemiological studies reporting that PD+ versus PD– patients make more medical visits and are disproportionately represented among distressed, high health care utilizers. Taken together, the results of these studies are highly consistent and underline the negative prognostic consequences of PD in ED, cardiology and primary care patients.

At follow-up, PD+ patients also exhibited greater psychological distress, as evidenced by their higher scores on all self-report measures. Compared to PD– patients, PD+ patients reported experiencing significantly greater agoraphobic avoidance (ACQ, MIA-A [MIA-Accompanied], MIA-U [MIA-Unaccompanied]), panic symptoms (BSQ), anxiety symptoms (STAI), and depression (BDI). These findings are also consistent with those reported by Beitman and colleagues, who found that at follow-up, PD+ patients reported experiencing significantly more anxiety symptoms (as measured by the Zung Self-Rating Anxiety Scale), social dysfunction (as measured by the Social Adjustment Scale) and general psychological distress (as measured by the Brief Symptom Inventory) compared to PD– patients.

Perhaps, the most disturbing psychological finding is the proportion of PD+ patients reporting suicidal ideation in the week preceding the completion of the follow-up questionnaires. A remarkable 31% of PD+ versus 9% of PD– patients reported having suicidal thoughts in the 7 days prior to the follow-up assessment. We have previously reported that in our original sample, the proportion of PD+ versus PD– patients reporting having suicidal ideation during the week preceding their ED visit was 25% and 5% respectively ($p < 0.0001$). This finding remained significant even after controlling for co-morbid major depression. Suicidal ideation is a risk factor of actual suicide, along with male gender, age over 40 years, a mental disorder as well as a recent visit to a doctor, which were all characteristics of our PD patients.

Although we did not submit patients to a structured diagnostic interview at follow-up, we did estimate the probability that PD+ patients would still meet diagnostic criteria for PD using the Montreal Heart Panic Model. This model has been used and cross-validated by others. Using this model, we estimated that 57 of 60 PD+ patients (97%) still met diagnostic criteria for PD at follow-up. This is consistent with findings reported by Roy-Byrne and colleagues, who found (using a structured diagnostic interview) that as...
many as 85% of their sample of PD+ patients still met DSM-IV criteria for PD at the time of their follow-up (4-10 months) assessment. Thus, our results highlight both the stability and progression of PD diagnoses over time.

How can we explain PD+ patients’ apparent psychosocial and psychological deterioration at follow-up? It could be in part explained by the finding that remarkably few (22%) PD+ patients were actually undergoing or had received some form of mental health treatment for their symptoms at the time of the follow-up assessment. This is identical to the findings reported by Beitman and colleagues. Left untreated, PD has been shown to have a chronic, disabling course. Patients with PD may also develop other psychiatric conditions, such as agoraphobia, social phobia and major depressive disorder, which may further complicate PD outcome.

Moreover, the finding that few PD+ patients were undergoing or receiving some form of recognized effective treatment for PD could be in part be explained by the fact that patients were not specifically diagnosed as having PD at the time of their initial ED visit. Previous research suggests that PD patients are rarely recognized or diagnosed by physicians. Rates of physician non-recognition of PD are reported to be as high as 61% in primary care and 98% in EDs. Other reports have shown that even when anxiety is recognized in the primary care or ED setting, treatment is either not forthcoming or inadequate. Non-recognition of PD by ED physicians can be in part explained by the fact that these physicians are confronted by large numbers of patients with potentially life-threatening illnesses, such as CAD, that must first be carefully excluded, before attending to non-immediate life-threatening although distressful, mental disorders like PD.

At follow-up, the majority (49%) of PD+ patients who had been prescribed psychotropic medication for their panic symptoms were taking a benzodiazepine (anxiolytics). However, given their continued psychosocial distress, these medications appeared to be doing little to alleviate patients’ panic symptoms over the follow-up period. This is not surprising considering the fact that benzodiazepines are typically prescribed to treat panic symptoms once they emerge and do little to treat patients’ underlying propensity to experience panic symptoms.

Fortunately, PD is a condition that has been shown to be highly treatable using antidepressant pharmacotherapy, psychotherapy, or some combination of both. Recent research indicates that the newer class of antidepressants, called selective serotonin reuptake inhibitors (SSRIs), are fast emerging as the pharmacotherapy of choice for the treatment of panic disorder. Unlike benzodiazepines, they do not have addictive properties. Of particular interest to physicians treating panic disorder in cardiac patients is that they have been shown to be relatively safe when used in conjunction with other cardiac medications and have little or no cardiotoxic side effects.

Study limitations
First, this study is limited by the fact that there was no medical follow-up. Although it would have been interesting to examine the course and outcome of initial chest pain and cardiac diagnoses, this was not the focus of the study.

A second limitation of the present study was that only 52% of the initial sample completed and returned the psychological questionnaires. However, our assessment of sampling bias revealed no significant differences between follow-up participants and non-participants with respect to age, gender, initial self-report scores, and both psychiatric and cardiac diagnoses. We therefore conclude that subject attrition was random and not due to any meaningful differences between participants and non-participants.

Finally, another limitation is the fact that we did not re-administer a structured diagnostic interview to confirm PD status at follow-up. However, we did estimate the probability of having PD at follow-up using a validated detection model. Coupled with the continued psychosocial distress exhibited by PD+ patients relative to PD– patients, we are confident that patients estimated to have PD+ at follow-up likely did.

Conclusion
Taken together, the results of the present study suggest that unrecognized and untreated PD has a chronic, disabling and distressing course. Thus, PD patients who seek treatment in an ED may indeed be at increased risk for long-term disability and psychosocial malfunctioning. Greater resources need to be devoted to the early detection, diagnosis, and treatment of patients with PD in the ED and related medical settings. This task may be difficult to accomplish for often-overburdened ED physicians, dealing with more potentially life-threatening diseases. Nevertheless, given the frequency of PD in ED patients, it is important that emergency physicians build networks with community physicians and local mental health providers to allow for the timely and appropriate care for these patients. Priority should be given to patients with chest pain not fully explained by their cardiac status that also have a history of repeated visits for similar symptoms.

Competing interests: None declared.
References


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