Case report

A 43-year-old nurse, para three, was admitted with pleural pain of acute onset in the left lower chest. The pain was severe and required pethidine to control it. There were no abnormal physical signs, and the pain settled down over two days. She had had a left partial nephrectomy ten years previously for a renal calculus which was removed. The pain had recurred on many occasions, but never during pregnancy. Five intravenous pyelograms over the years failed to show any evidence of recurrence of renal calculus. As the patient was a nurse, she had often been admitted while on duty and given pethidine. A year later, during another attack of pleuritic pain, she had one haemoptysis, and crepitations were heard anteriorly in the left lower chest. This was the only occasion on which any abnormal physical sign in the chest was detected. A year later she had a similar attack, also with one haemoptysis. Over the following years, further attacks of pain occurred, usually requiring pethidine, but settling rapidly. The chest radiograph was always normal, as were several ventilation/perfusion scans.

Discussion

Although induction of menopause was the treatment used in this case, danazol, which suppresses pituitary gonadotrophin, may be an effective alternative, and can be used as a therapeutic test. However, about 85% of women on this drug develop major side effects [11]. A more recent alternative is nafarelin, which is claimed to produce fewer side effects [12].

The diagnosis of endometriosis in this patient remains unproven. There was no good indication for performing a thoracotomy, which would have been unjustified just to search for endometriosis. In any case, in the majority of cases described in the literature and presenting without pneumo- or haemothorax, no endometriosis has been found. The evidence in favour of endometriosis in this patient is: recurrent symptoms over many years in association with the menstrual periods; the
occurrence of haemoptysis on two occasions; the immediate cessation of symptoms on inducing menopause; their recurrence within six days of starting oestrogens; the immediate and total cessation of the symptoms on stopping the oestrogens.

In their review of the literature Hibbard et al. [10] found that pelvic endometriosis was not always present, having been found in none of those presenting with haemoptysis, half of those with pneumothorax, and all of those with haemothorax. Pulmonary endometriosis was found predominantly in those presenting with haemothorax, but three histologically proven cases of bronchial endometriosis with haemothorax were also described. Hibbard et al. added two further cases of their own, one of which presented with pleural pain. They included it in their pneumothorax group, even though no pneumothorax was found, as no case presenting only with pleural pain had previously been described. Taking their patient and the one reported here together, it appears that recurrent pleural pain without pneumothorax should be added to the modes of presentation of pulmonary endometriosis.

References