

電腦斷層於急性闌尾炎適應症之分析

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摘要

急性闌尾炎手術是外科中最常見的腹部手術，然而急性闌尾炎的症狀不僅多元且多變，使得急性闌尾炎成為一項難以正確診斷的疾病。進行闌尾炎診斷時，臨床醫師不僅得考慮如何減低闌尾炎穿孔及腹膜炎等併發症的發生，還得避免陰性闌尾切除問題的發生。電腦斷層掃描屬於高單價的檢查項目，其核刪率也偏高，對病患也有較高的輻射傷害；但其提供的影像資訊卻有助於提高急性闌尾炎的確診率。為了讓急診室醫師可以達成病患安全與節約醫療費用的雙重目標，本研究將分析急性闌尾炎手術的歷史案例，藉以獲取精確的電腦斷層於急性闌尾炎適應症描述。利用 Alvarado 闌尾炎診斷輔助計分法的輔助，本研究由 716 個闌尾切除案例中所歸納出的適應症描述為：年齡超過 40 歲的男性病患，以及 Alvarado 診斷分數超過 4 分時，應給予電腦斷層掃描的檢查。希望本研究自歷史案例所歸納出的電腦斷層適應症描述，可以協助急診醫師善用電腦斷層檢查確診闌尾炎，並可在維護病患安全的目標下，達成善用醫療資源的目標。

關鍵字：急性闌尾炎、電腦斷層掃描、Alvarado 計分法

Abstract

The operation of acute appendicitis is the most common abdominal surgery. However, the symptoms of acute appendicitis are both multi-dimensional and changeable, which makes it more difficult to accurately diagnose. When carrying out the appendicitis diagnosis, physicians not only consider how to decrease the occurrences of complications such as appendicitis perforation and peritonitis, but also need to avoid the occurrence of the negative appendectomy. Computed tomography (CT) is high identified as the measurement at premium price, the deletion rate of which is also high and has the high radiation damage to the patients. But the images of CT scan are actually helpful in enhancing accurate diagnosis rate of the acute appendicitis. In order to make emergency room(ER) doctors achieve the dual goals of protecting patients safety and the medical cost down, this research will analyze the historical cases on the acute appendicitis so as to gain precise CT data to depict the indication description. With the help of the appendicitis diagnoses auxiliary scoring method by using Alvarado, the indication description on acute appendicitis by 716 appendectomy cases is induced as follows: The male patient over forty years old with the Alvarado diagnosis score more than 4 points should take CT inspection. It is Hoped that the indication description from all the historical cases on this research may assist ER doctors in using the CT to diagnosis appendicitis well and reaching the goal of making good use of the medical resources under the circumstance of protecting all the patients safety.

Keywords : Acute appendicitis, Computed tomography, Alvarado Score.