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彩色多普勒血流显像筛查下肢骨折围手术期静脉血栓的价值及意义

Value of color Doppler flow imaging on screening and diagnosis of vein thrombosis in perioperative patients with lower extremity fracture

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英文关键词: [Lower extremity;Fractures](#) [bone;Ultrasoundography](#) [Doppler;Veins;Thrombosis](#)

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中文摘要:

目的 观察CDFI筛查下肢骨折围手术期静脉血栓形成的价值及意义。**方法** 回顾性分析1077例下肢骨折围手术期CDFI检查资料,重点观察下肢静脉有无血栓形成,累及部位、范围、声像图表现及血管腔阻塞等情况。**结果** 1077例患者,发现静脉血栓193例,阳性率17.92%(193/1077);其中术前发现171例,术后发现22例;急性血栓127例(127/193, 65.80%),慢性血栓41例(41/193, 21.24%),混合期血栓25例(25/193, 12.95%);多发152例,单发41例。94.49%(120/127)的急性血栓发生在髂外静脉至胫后、腓静脉上段水平,68.29%(28/41)的慢性血栓发生在小腿肌肉静脉丛;82.38%(159/193)血栓致静脉大部分或完全阻塞,17.62%(34/193)血栓致静脉小部分阻塞。所有患者均接受抗凝溶栓治疗、植入腔静脉滤网等治疗,1例发生肺栓塞,积极抢救后痊愈。**结论** 下肢骨折围手术期静脉血栓发生率较高。CDFI作为下肢骨折围手术期的常规检查项目非常必要,可为临床治疗提供重要参考依据。

英文摘要:

Objective To observe the value of CDFI on screening and diagnosing vein thrombosis in perioperative patients with lower extremity fractured. **Methods** A total of 1077 patients with lower extremity fracture were examined with CDFI. Whether vein thrombosis happened or not in lower extremity, the location, range, image of vein thrombosis, and the blood vessel cavity blockage were observed. **Results** Of 1077 patients, venous thrombosis were found in 193, the positive rate was 17.92% (193/1077), including 171 in preoperation and 22 in postoperation. Acute vein thrombosis were detected in 127 patients (127/193, 65.80%), chronic vein thrombosis in 41 patients (41/193, 21.24%) and mixed vein thrombosis in 25 patients (25/193, 12.95%). Multiple thrombosis were found in 152 patients, and single thrombosis in 41 patients. Totally 94.49% (120/127) cases of acute vein thrombosis happened in external iliac vein to posterior tibial vein, 68.29% (28/41) cases of chronic vein thrombosis happened in calf muscular veniplex, 82.38% (159/193) cases of vein thrombosis caused vein major part or complete blockage, 17.62% (34/193) cases of vein thrombosis caused vein fraction blockage. All patients were treated with anti-freezing, anticoagulant thrombolysis and inferior vena cava filter implantation. Pulmonary thromboembolism happened in 1 patient, who recovered after effective therapy. **Conclusion** The rate of vein thrombosis in perioperative lower extremity fracture patients is high. CDFI is a necessary examination in perioperative lower extremity fracture patients, and can provide important reference for clinical treatment.

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