**Wells Clinical Prediction Rule for Pulmonary Embolism and Deep Venous Thrombosis**

**Wells Clinical Prediction Rule for Pulmonary Embolism (PE)**

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| --- | --- |
| Clinical feature | Points |
| Clinical symptoms of DVT | 3 |
| Other diagnosis less likely than PE | 3 |
| Heart rate greater than 100 beats per minute | 1.5 |
| Immobilization or surgery within past 4 weeks | 1.5 |
| Previous DVT or PE | 1.5 |
| Hemoptysis | 1 |
| Malignancy | 1 |
| *Total points* |  |

Risk score interpretation (probability of PE):

* >6 points: high risk (78.4%);
* 2 to 6 points: moderate risk (27.8%);
* <2 points: low risk (3.4%)

**Wells Clinical Prediction Rule for Deep Venous Thrombosis (DVT)**

|  |  |
| --- | --- |
| Clinical feature | Points |
| Active cancer (treatment within 6 months, or palliation) | 1 |
| Paralysis, paresis, or immobilization of lower extremity | 1 |
| Bedridden for more than 3 days because of surgery (within 4 weeks) | 1 |
| Localized tenderness along distribution of deep veins | 1 |
| Entire leg swollen | 1 |
| Unilateral calf swelling of greater than 3 cm (below tibial tuberosity) | 1 |
| Unilateral pitting edema | 1 |
| Collateral superficial veins | 1 |
| Alternative diagnosis as likely as or more likely than DVT | -2 |
| *Total points* |  |

DVT = deep venous thrombosis.

Risk score interpretation (probability of DVT):

* >/=3 points: high risk (75%);
* 1 to 2 points: moderate risk (17%);
* <1 point: low risk (3%);

**References:**

1. Wells PS, Anderson DR, Rodger M, Ginsberg JS, Kearon C, Gent M, Turpie AG, Bormanis J, Weitz J, Chamberlain M, Bowie D, Barnes D, Hirsh J. Derivation of a simple clinical model to categorize patients probability of pulmonary embolism: increasing the models utility with the SimpliRED D-dimer. Thromb Haemost. 2000 Mar;83(3):416-20. [[Medline]](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=10744147&query_hl=8&itool=pubmed_docsum)
2. Wells PS, Anderson DR, Bormanis J, Guy F, Mitchell M, Gray L, Clement C, Robinson KS, Lewandowski B. Value of assessment of pretest probability of deep-vein thrombosis in clinical management. Lancet. 1997 Dec 20-27;350(9094):1795-8. [[Medline]](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=9428249&query_hl=6&itool=pubmed_DocSum)