

MediaWiki:Lékařská kalkulačka/QTc.js

Note: After publishing, you may have to bypass your browser's cache to see the changes.

- **Firefox / Safari:** Hold *Shift* while clicking *Reload*, or press either *Ctrl-F5* or *Ctrl-R* (*⌘-R* on a Mac)
- **Google Chrome:** Press *Ctrl-Shift-R* (*⌘-Shift-R* on a Mac)
- **Internet Explorer / Edge:** Hold *Ctrl* while clicking *Refresh*, or press *Ctrl-F5*
- **Opera:** Press *Ctrl-F5*.

```
1  /**
2   * ReplaceAll by Fagner Brack (MIT Licensed)
3   * Replaces all occurrences of a substring in a string
4   */
5  String.prototype.replaceAll = function(token, newToken, ignoreCase) {
6      var str, i = -1, token;
7      if((str = this.toString()) && typeof token === "string") {
8          token = ignoreCase === true? token.toLowerCase() : undefined;
9          while((i =
10              token !== undefined?
11                  str.toLowerCase().indexOf(
12                      token,
13                      i >= 0? i + newToken.length : 0
14                  ) : str.indexOf(
15                      token,
16                      i >= 0? i + newToken.length : 0
17                  )
18              ) !== -1 ) {
19              str = str.substring(0, i)
20                  .concat(newToken)
21                  .concat(str.substring(i + token.length));
22          }
23      }
24      return str;
25  };
26
27  /***** Převod do html podoby *****/
28  var content = $('#lekarska_kalkulacka_QTc-content' ).text();
29  $('#lekarska_kalkulacka_QTc' ).html( content.replaceAll('paragraph', 'p' ).replaceAll( 'resValue', 'span' ).replaceAll('breakline',
30  'br' ).replaceAll('division', 'div').replaceAll('orderedlist', 'ol') );
31
32  /***** Nastavení jezdců *****/
33  function lekarska_kalkulacka_QTc_set_TF( TF ){
34      $('#lekarska_kalkulacka_QTc-TF-range' ).val( TF );
35      $('#lekarska_kalkulacka_QTc-TF-number' ).val( TF );
36  }
37
38  function lekarska_kalkulacka_QTc_set_QT( QT ){
39      $('#lekarska_kalkulacka_QTc-QT-range' ).val( QT );
40      $('#lekarska_kalkulacka_QTc-QT-number' ).val( QT );
41  }
42
43  /***** Vlastní výpočet *****/
44  function lekarska_kalkulacka_QTc_spocitej( TF,QT ) {
45      var QTc = QT / Math.sqrt(60 / TF);
46      QTc = Math.round(QTc);
47      return QTc;
48  }
49
50  $('#lekarska_kalkulacka_QTc-TF-number' ).change( function() {
51      var QT = $('#lekarska_kalkulacka_QTc-QT-number' ).val();
52      var TF = $('#lekarska_kalkulacka_QTc-TF-number' ).val();
53      lekarska_kalkulacka_QTc_set_TF( TF );
54      $('#lekarska_kalkulacka_QTc-vysledek' ).html( lekarska_kalkulacka_QTc_spocitej( TF,QT ) );
55  });
56  $('#lekarska_kalkulacka_QTc-TF-range' ).change( function() {
57      var QT = $('#lekarska_kalkulacka_QTc-QT-number' ).val();
58      var TF = $('#lekarska_kalkulacka_QTc-TF-range' ).val();
59      lekarska_kalkulacka_QTc_set_TF( TF );
60      $('#lekarska_kalkulacka_QTc-vysledek' ).html( lekarska_kalkulacka_QTc_spocitej( TF,QT ) );
61  });
62
63  $('#lekarska_kalkulacka_QTc-QT-number' ).change( function() {
64      var QT = $('#lekarska_kalkulacka_QTc-QT-number' ).val();
65      var TF = $('#lekarska_kalkulacka_QTc-TF-number' ).val();
66      lekarska_kalkulacka_QTc_set_QT( QT );
67      $('#lekarska_kalkulacka_QTc-vysledek' ).html( lekarska_kalkulacka_QTc_spocitej( TF,QT ) );
68  });
69
70  $('#lekarska_kalkulacka_QTc-QT-range' ).change( function() {
71      var QT = $('#lekarska_kalkulacka_QTc-QT-range' ).val();
72      var TF = $('#lekarska_kalkulacka_QTc-TF-number' ).val();
73      lekarska_kalkulacka_QTc_set_QT( QT );
74      $('#lekarska_kalkulacka_QTc-vysledek' ).html( lekarska_kalkulacka_QTc_spocitej( TF,QT ) );
75  });
```