

MediaWiki:Lékařská kalkulačka/Cardiac-axis.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_Cardiac-axis-content').text();
29  $('#lekarska_kalkulacka_Cardiac-axis').html( content.replaceAll('paragraph', 'p').replaceAll('resValue', 'span')
30  ).replaceAll('breakline', 'br').replaceAll('division', 'div').replaceAll('orderedlist', 'ol');
31
32  /***** Propojeni input field: range a number *****/
33  $('#lekarska_kalkulacka_Cardiac-axis-amp-I-range').change( function() {
34      $('#lekarska_kalkulacka_Cardiac-axis-amp-I-number').val( $('#lekarska_kalkulacka_Cardiac-axis-amp-I-range').val() );
35  });
36  $('#lekarska_kalkulacka_Cardiac-axis-amp-I-number').change( function() {
37      $('#lekarska_kalkulacka_Cardiac-axis-amp-I-range').val( $('#lekarska_kalkulacka_Cardiac-axis-amp-I-number').val() );
38  });
39  $('#lekarska_kalkulacka_Cardiac-axis-amp-aVF-range').change( function() {
40      $('#lekarska_kalkulacka_Cardiac-axis-amp-aVF-number').val( $('#lekarska_kalkulacka_Cardiac-axis-amp-aVF-range').val() );
41  });
42  $('#lekarska_kalkulacka_Cardiac-axis-amp-aVF-number').change( function() {
43      $('#lekarska_kalkulacka_Cardiac-axis-amp-aVF-range').val( $('#lekarska_kalkulacka_Cardiac-axis-amp-aVF-number').val() );
44  });
45
46  /***** Vlastní výpočet *****/
47  $('#input').change( function() {
48      var alkoholemie = parseFloat( $('#lekarska_kalkulacka_Ethanol-alkoholemie-vstupni-number').val() );
49      var amp_I = parseFloat( $('#lekarska_kalkulacka_Cardiac-axis-amp-I-number').val() );
50      var amp_aVF = parseFloat( $('#lekarska_kalkulacka_Cardiac-axis-amp-aVF-number').val() );
51
52      var result = "";
53      if (amp_I == 0 && amp_aVF == 0) {
54          result = "Srdeční osa není definována.";
55      } else {
56          result = Math.round( (Math.atan2(amp_aVF * 2, amp_I * Math.sqrt(3)) * 180) / Math.PI );
57
58          $('#lekarska_kalkulacka_Cardiac-axis-vysledek').html( result + "°");
59      }
60  });
```