

# MediaWiki:Lékařská kalkulačka/Carotid.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 String.prototype.replaceAll = function(token, newToken, ignoreCase) {
2     var str, i = -1, token;
3     if((str = this.toString()) && typeof token === "string") {
4         _token = ignoreCase === true? token.toLowerCase() : undefined;
5         while((i = (
6             _token !== undefined?
7                 str.toLowerCase().indexOf(
8                     token,
9                     i >= 0? i + newToken.length : 0
10                ) : str.indexOf(
11                    token,
12                    i >= 0? i + newToken.length : 0
13                )
14            )) !== -1 ) {
15                str = str.substring(0, i)
16                    .concat(newToken)
17                    .concat(str.substring(i + token.length));
18            }
19        }
20    return str;
21    };
22
23
24    /***** Převod do html podoby *****/
25    var content = $( '#lekarska_kalkulacka_Carotid-content' ).text();
26    $( '#lekarska_kalkulacka_Carotid' ).html( content.replaceAll('paragraph', 'p' ).replaceAll( 'resValue', 'span' )
27    ).replaceAll('breakline', 'br' ).replaceAll('division', 'div').replaceAll('orderedlist', 'ol' ) );
28
29    /***** Propojení input field: range a number *****/
30    $( '#lekarska_kalkulacka_Carotid-stenosis-lumen-number' ).change( function() {
31        $( '#lekarska_kalkulacka_Carotid-stenosis-lumen-range' ).val( $( '#lekarska_kalkulacka_Carotid-stenosis-lumen-number' ).val()
32    );
33    });
34    $( '#lekarska_kalkulacka_Carotid-stenosis-lumen-range' ).change( function() {
35        $( '#lekarska_kalkulacka_Carotid-stenosis-lumen-number' ).val( $( '#lekarska_kalkulacka_Carotid-stenosis-lumen-range' ).val()
36    );
37    });
38    $( '#lekarska_kalkulacka_Carotid-stenosis-residual-number' ).change( function() {
39        $( '#lekarska_kalkulacka_Carotid-stenosis-residual-range' ).val( $( '#lekarska_kalkulacka_Carotid-stenosis-residual-number'
40    ).val() );
41    });
42    $( '#lekarska_kalkulacka_Carotid-stenosis-residual-range' ).change( function() {
43        $( '#lekarska_kalkulacka_Carotid-stenosis-residual-number' ).val( $( '#lekarska_kalkulacka_Carotid-stenosis-residual-range'
44    ).val() );
45    });
46    $( '#lekarska_kalkulacka_Carotid-common-carotid-number' ).change( function() {
47        $( '#lekarska_kalkulacka_Carotid-common-carotid-range' ).val( $( '#lekarska_kalkulacka_Carotid-common-carotid-number' ).val()
48    );
49    });
50    $( '#lekarska_kalkulacka_Carotid-common-carotid-range' ).change( function() {
51        $( '#lekarska_kalkulacka_Carotid-common-carotid-number' ).val( $( '#lekarska_kalkulacka_Carotid-common-carotid-range' ).val()
52    );
53    });
54    $( '#lekarska_kalkulacka_Carotid-internal-carotid-number' ).change( function() {
55        $( '#lekarska_kalkulacka_Carotid-internal-carotid-range' ).val( $( '#lekarska_kalkulacka_Carotid-internal-carotid-number'
56    ).val() );
57    });
58    $( '#lekarska_kalkulacka_Carotid-internal-carotid-range' ).change( function() {
59        $( '#lekarska_kalkulacka_Carotid-internal-carotid-number' ).val( $( '#lekarska_kalkulacka_Carotid-internal-carotid-range'
60    ).val() );
61    });
62
63    /***** Vlastní výpočet *****/
64    $( 'input' ).change( function() {
65        var stenosis_lumen = parseFloat( $( '#lekarska_kalkulacka_Carotid-stenosis-lumen-number' ).val() );
66        var stenosis_residual = parseFloat( $( '#lekarska_kalkulacka_Carotid-stenosis-residual-number' ).val() );
67        var common_carotid = parseFloat( $( '#lekarska_kalkulacka_Carotid-common-carotid-number' ).val() );
68        var internal_carotid = parseFloat( $( '#lekarska_kalkulacka_Carotid-internal-carotid-number' ).val() );
69        var nascet = (internal_carotid - stenosis_residual)/internal_carotid;
70        var ecst = (stenosis_lumen - stenosis_residual)/stenosis_lumen;
71        var cc = (common_carotid - stenosis_residual)/common_carotid;
72
73        var result = 'Tíže karotické stenózy: ECST ' + Math.round(100 * ecst) + ' %, NASCET ' + Math.round(100*nascet) + ' %, CC ' +
74        Math.round(100 * cc) + ' %.';
75        $( '#lekarska_kalkulacka_Carotid-vysledek' ).html( result );
76    });
```