

MediaWiki:Lékařská kalkulačka/Perfuzor.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 /***** Převod do html podoby *****/
24 var content = $( '#lekarska_kalkulacka_Perfuzor-content' ).text();
25 $( '#lekarska_kalkulacka_Perfuzor' ).html( content.replaceAll('paragraph', 'p').replaceAll( 'resValue', 'span'
26 ).replaceAll('breakline', 'br' ).replaceAll('division', 'div').replaceAll('orderedlist', 'ol') );
27
28 /***** Propojeni input field: range a number *****/
29 $( '#lekarska_kalkulacka_Perfuzor-hmotnost-number' ).change( function() {
30     $( '#lekarska_kalkulacka_Perfuzor-hmotnost-range' ).val( $( '#lekarska_kalkulacka_Perfuzor-hmotnost-number' ).val() );
31 });
32 $( '#lekarska_kalkulacka_Perfuzor-hmotnost-range' ).change( function() {
33     $( '#lekarska_kalkulacka_Perfuzor-hmotnost-number' ).val( $( '#lekarska_kalkulacka_Perfuzor-hmotnost-range' ).val() );
34 });
35
36 $( '#lekarska_kalkulacka_Perfuzor-davka-number' ).change( function() {
37     $( '#lekarska_kalkulacka_Perfuzor-davka-range' ).val( $( '#lekarska_kalkulacka_Perfuzor-davka-number' ).val() );
38 });
39 $( '#lekarska_kalkulacka_Perfuzor-davka-range' ).change( function() {
40     $( '#lekarska_kalkulacka_Perfuzor-davka-number' ).val( $( '#lekarska_kalkulacka_Perfuzor-davka-range' ).val() );
41 });
42
43 $( '#lekarska_kalkulacka_Perfuzor-objem-number' ).change( function() {
44     $( '#lekarska_kalkulacka_Perfuzor-objem-range' ).val( $( '#lekarska_kalkulacka_Perfuzor-objem-number' ).val() );
45 });
46 $( '#lekarska_kalkulacka_Perfuzor-objem-range' ).change( function() {
47     $( '#lekarska_kalkulacka_Perfuzor-objem-number' ).val( $( '#lekarska_kalkulacka_Perfuzor-objem-range' ).val() );
48 });
49
50 $( '#lekarska_kalkulacka_Perfuzor-rychlost-number' ).change( function() {
51     $( '#lekarska_kalkulacka_Perfuzor-rychlost-range' ).val( $( '#lekarska_kalkulacka_Perfuzor-rychlost-number' ).val() );
52 });
53 $( '#lekarska_kalkulacka_Perfuzor-rychlost-range' ).change( function() {
54     $( '#lekarska_kalkulacka_Perfuzor-rychlost-number' ).val( $( '#lekarska_kalkulacka_Perfuzor-rychlost-range' ).val() );
55 });
56
57 /***** Vlastní výpočet *****/
58 $( 'input' ).change( function() {
59     var hmotnost = $( '#lekarska_kalkulacka_Perfuzor-hmotnost-number' ).val();
60     var davka = $( '#lekarska_kalkulacka_Perfuzor-davka-number' ).val();
61     var objem = $( '#lekarska_kalkulacka_Perfuzor-objem-number' ).val();
62     var rychlost = $( '#lekarska_kalkulacka_Perfuzor-rychlost-number' ).val();
63
64     var mg_hod = Math.round(1000* ((davka*rychlost)/objem) /1000;
65     var mg_kg_hod = Math.round(1000* ((davka*rychlost)/(objem*hmotnost))) /1000;
66     var ug_min = Math.round(1000* ( (1000/60)* (davka*rychlost)/objem ) ) /1000;
67     var ug_kg_hod = Math.round(1000* ((1000* ((davka*rychlost)/objem)/hmotnost)) /1000;
68     var ug_kg_min = Math.round(1000* ( (1000/60)* ((davka*rychlost)/objem) )/hmotnost) /1000;
69
70     var result = ug_kg_min + ' ug/kg/min,<br />';
71     result += ug_kg_hod + ' ug/kg/hod,<br />';
72     result += ug_min + ' ug/min,<br />';
73     result += mg_hod + ' mg/hod,<br />';
74     result += mg_kg_hod + ' mg/kg/hod.';
75
76     $( '#lekarska_kalkulacka_Perfuzor-vysledek' ).html( result );
77 };
```