

MediaWiki:Lékařská kalkulačka/Dusikova-bilance.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_Dusikova-bilance-content').text();
25    $('#lekarska_kalkulacka_Dusikova-bilance').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_Dusikova-bilance-delka-sberu-moci-number').change( function() {
30        $('#lekarska_kalkulacka_Dusikova-bilance-delka-sberu-moci-range').val( $('#lekarska_kalkulacka_Dusikova-bilance-delka-sberu-
31        moci-number').val() );
32    });
33    $('#lekarska_kalkulacka_Dusikova-bilance-delka-sberu-moci-range').change( function() {
34        $('#lekarska_kalkulacka_Dusikova-bilance-delka-sberu-moci-number').val( $('#lekarska_kalkulacka_Dusikova-bilance-delka-sberu-
35        moci-range').val() );
36    });
37    $('#lekarska_kalkulacka_Dusikova-bilance-odpad-urey-number').change( function() {
38        $('#lekarska_kalkulacka_Dusikova-bilance-odpad-urey-range').val( $('#lekarska_kalkulacka_Dusikova-bilance-odpad-urey-number'
39        ).val() );
40    });
41    $('#lekarska_kalkulacka_Dusikova-bilance-odpad-urey-range').change( function() {
42        $('#lekarska_kalkulacka_Dusikova-bilance-odpad-urey-number').val( $('#lekarska_kalkulacka_Dusikova-bilance-odpad-urey-range'
43        ).val() );
44    });
45    $('#lekarska_kalkulacka_Dusikova-bilance-dusik-do-stolice-number').change( function() {
46        $('#lekarska_kalkulacka_Dusikova-bilance-dusik-do-stolice-range').val( $('#lekarska_kalkulacka_Dusikova-bilance-dusik-do-
47        stolice-number').val() );
48    });
49    $('#lekarska_kalkulacka_Dusikova-bilance-dusik-do-stolice-range').change( function() {
50        $('#lekarska_kalkulacka_Dusikova-bilance-dusik-do-stolice-number').val( $('#lekarska_kalkulacka_Dusikova-bilance-dusik-do-
51        stolice-range').val() );
52    });
53    $('#lekarska_kalkulacka_Dusikova-bilance-prijem-bilkovin-number').change( function() {
54        $('#lekarska_kalkulacka_Dusikova-bilance-prijem-bilkovin-range').val( $('#lekarska_kalkulacka_Dusikova-bilance-prijem-
55        bilkovin-number').val() );
56    });
57    $('#lekarska_kalkulacka_Dusikova-bilance-prijem-bilkovin-range').change( function() {
58        $('#lekarska_kalkulacka_Dusikova-bilance-prijem-bilkovin-number').val( $('#lekarska_kalkulacka_Dusikova-bilance-prijem-
59        bilkovin-range').val() );
60    });
61
62    /***** Vlastní výpočet *****/
63    $('#input').change( function() {
64        var delka_sberu_moci = parseFloat( $('#lekarska_kalkulacka_Dusikova-bilance-delka-sberu-moci-number').val() );
65        var odpad_urey = parseFloat( $('#lekarska_kalkulacka_Dusikova-bilance-odpad-urey-number').val() );
66        var dusik_do_stolice = parseFloat( $('#lekarska_kalkulacka_Dusikova-bilance-dusik-do-stolice-number').val() );
67        var prijem_bilkovin = parseFloat( $('#lekarska_kalkulacka_Dusikova-bilance-prijem-bilkovin-number').val() );
68
69        var odpad_urey_za_den = 24*(odpad_urey/delka_sberu_moci);
70        var odpad_dusiku_do_moci = odpad_urey_za_den*0.0336;
71        var odpad_dusiku = odpad_dusiku_do_moci+dusik_do_stolice;
72        var dusikova_bilance = (prijem_bilkovin/6.25)-odpad_dusiku;
73        var bilkovinova_bilance = dusikova_bilance*6.25;
74        var svalova_bilance = (dusikova_bilance*25)/1000;
75
76        $('#lekarska_kalkulacka_Dusikova-bilance-odpad-urey-vysledek').html( Math.round(odpad_urey_za_den) );
77        $('#lekarska_kalkulacka_Dusikova-bilance-odpad-dusiku-do-moci-vysledek').html( Math.round(10*odpad_dusiku_do_moci)/10 );
78        $('#lekarska_kalkulacka_Dusikova-bilance-celkovy-odpad-dusiku-vysledek').html( Math.round(10*odpad_dusiku)/10 );
79        $('#lekarska_kalkulacka_Dusikova-bilance-dusikova-bilance-vysledek').html( Math.round(10*dusikova_bilance)/10 );
80        $('#lekarska_kalkulacka_Dusikova-bilance-bilkovinova-bilance-vysledek').html( Math.round(10*bilkovinova_bilance)/10 );
81        $('#lekarska_kalkulacka_Dusikova-bilance-svalova-bilance-vysledek').html( Math.round(1000*svalova_bilance)/1000 );
82    });
```

