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1890- [11].

1950- [2].

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[4,5] [6, 7]. ()

[8]. 30

[9]. [10, 11].

[12] () [13].

[14, 15].

[16]. G2/M

[17]. [18]. S-

[19].

G1/S G2/M. S

; 2) ATR : 1) ATM

ATM ATR 53, 21 53-

G1/S G2/M [20, 21]. [22- 24].

NF- [25,26].
NF- [27, 28].

-1, -1, -6, [29].

6 [30-32].

-43 -43 [33-34].

[35].

NF-κB. NF-κB

PubMed, 1991-2000 - 300, 2001-2010 - 500
2011- 850 [36].

1,5⁴ (RJVD) [37]. (RIHD)

[38].

[39].

(10), (10 100), (100 1),
(1 10) (10) [40,41].

in vitro
in vivo
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(0-50) (200 250) ;
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1-2 » [40, 43].
in vitro in vivo,
[43, 44].
(LSS), 120321
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(LNT)
LSS (1950-2003) [45-47].
[48-52].
0,5 [42].
300
(1 20 /) 0,3 6 0,3 6
0,3
20 [53].
100 / ,
6 9
[53].
137Cs 0, 4,
137Cs
0,5, 1,0, 5,0
“ ”
12 16
20 137Cs (320)
0,25);
131J
500 (137Cs 0,25
131J - 94,7) “ + ” 137Cs (320)
1 30- ()
13).
3-
(0,5-5,0) 17-
[55-57].

2/3 (540) (74,6%)
 () 1-5 ; 15%
 5 10 8%
 1 30- 2,5 (10%)
 / 2, ¹³⁷Cs 555
 30- (=0,85),
¹³⁷Cs 1,56 (= ,91). 80%
 1
¹³⁷Cs ¹³⁷Cs. 185 / 2, 30%
 1,74 30-
 2003 [57, 58].
 : 1) « » ; 2) 2-3
 30 50 226 () 0,012
 10 , () 1 15
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 [59]. 22
 -232 -226 (0,4), 24% [60].
 [61].
 NO-
 [64-66].
 [67].
 [68, 69].

[70].

53 / 21 / Akt / mTOR [71].

IV

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35—40

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/), (30 /), (100 /), (300
 /), (, ,). :
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Coriohis hirsutus (Wulf ex. Fr.),
Rhodotorula glutinis (Fresen.),
 180 () -
). (*Borago officinalis* L., -
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 1999-2003 30 / ² 18,4%
 22,5% - 15,2%
 1986 , 15%
 1.1 [74, 75].
 15%
 (1986) >
 (1986). 10
 10
 143 156 25 / ² 183
 - 1,65 - 1,81 1,34 , 10
 735 , 222
 1110 10 ()
 25 / ² - 982, 365 2006 ,)
 « » (*Antheraea pernyi* G.-M.).
 26%, - 34,6%, - 33,2%, - 12%, -
 20,8%, 2 ,
 [75,76].

(IPPNW GFS, 2011 . . . 25).
(, 118) 2012

0,5
[77].

1997 .), (90-),
(2006 .).

[78].

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some people - the accelerated development of metabolic syndrome and the formation of pathological processes based on insulin resistance (2006 to the present). The results of long-term observations make it possible to understand the structure of morbidity in people exposed to radiation, and the concept of dyslipoproteinemia of radiation genesis determines the need for analysis of lipid transport in order to diagnose, prevent and treat emerging diseases.

Key words: ionizing radiation, dyslipidemias, cardiovascular diseases, atherosclerosis, metabolic syndrome.