

INTERPRETARE DATE INVESTIGATIE CLINICA BT-01

UTILIZAREA Unguent BIOTITUS[®] COMPRESA IMPREGNATA CU UNGUENT SI TUB CU Unguent BIOTITUS[®] IN TRATAMENTUL

- ARSURILOR
- ESCARELOR
- ULCERULUI DE GAMBA SI AL PICIORULUI DIABETIC

SUBIECT Nr. 18

Data selectiei: **18.06.2012**
 Ora: **10⁰⁰**

1. DATE DEMOGRAFICE:

1.1. Initiale: **A.G.L.**
 1.2. Varsta/data nasterii: **34/06.05.1978**
 1.3. Sex: **F**
 1.4. Domiciliul: **U**
 1.5. Ocupatia: **SALARIATA**

2. ANTECEDENTE MEDICALE:

- tulburare bipolară; episod depresiv;

3. GRUP SANGUIN: 01

4. CARACTERISTICILE PLAGII:

4.1. Tip: **Arsura**
 4.2. Vechime: **12 ore**
 4.3. Etiologie: **Flacara**
 4.4. Localizare: **Regiune cefalica, cervicala, torace anterior, maini bilateral**
 4.5. Descriere: **Arsura grad IIb**
 4.6. Tratament anterior: **-**

5. INTERPRETARE REZULTATE – SCOP FINAL PRIMAR:

5.1. SUPRAFATA PLAGII:

5.1.1. Suprafata plagii in functie de numarul controlului

Medicul investigator a notat suprafata arsurii in procente, raportata la suprafata corporala. Conform www.ovidiusmd.net, Curs de chirurgie plastica, suprafata pielii la un om adult este de 1,50 – 1,80 m². Se considera ca suprafata pielii in cazul pacientului A.G.L. este de 1,60 m², cu acestea, suprafata arsurii este:

| SUPRAFATA PLAGII IN FUNCTIE DE NUMARUL CONTROLULUI [cm²] | | | | | | | | | | |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| ARSURA: | | | | | | | | | | |
| Nr. subiect/ initialele | Examinarea nr. | | | | | | | | | |
| | aS _{0,18} | aS _{1,18} | aS _{2,18} | aS _{3,18} | aS _{4,18} | aS _{5,18} | aS _{6,18} | aS _{7,18} | aS _{8,18} | aS _{9,18} |
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 18/ A.G.L. | 2.400,00 | 2.400,00 | 2.240,00 | 2.080,00 | 1.600,00 | 640,00 | 480,00 | 400,00 | 320,00 | 160,00 |

| SUPRAFATA PLAGII IN FUNCTIE DE NUMARUL CONTROLULUI [cm²] | | | | | | | | | | |
|--|---------------------|---------------------|--|--|--|--|--|--|--|--|
| ARSURA: | | | | | | | | | | |
| Nr. subiect/ initialele | Examinarea nr. | | | | | | | | | |
| | aS _{10,18} | aS _{11,18} | | | | | | | | |
| | 10 | 11 | | | | | | | | |
| 18/D.G. | 80,00 | 20,00 | | | | | | | | |

$$aS_{0,18} = 15\% \times 16.000 = 2.400,00 \text{ cm}^2$$

$$aS_{1,18} = 15\% \times 16.000 = 2.400,00 \text{ cm}^2$$

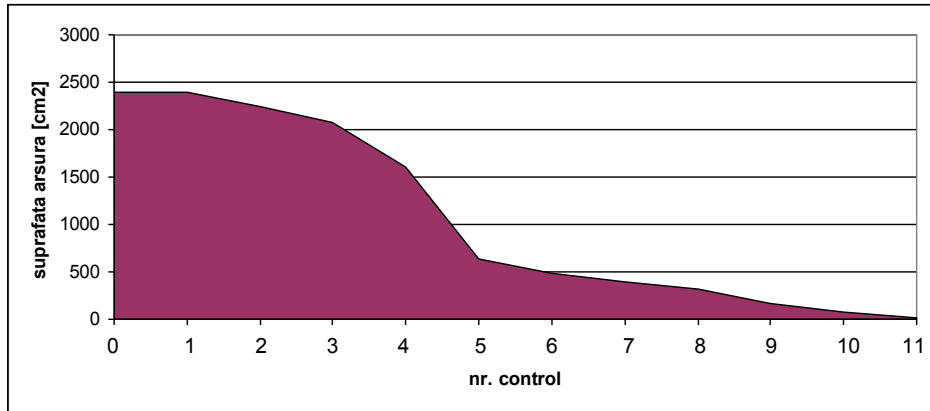
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$$\begin{aligned} aS_{2.18} &= 14\% \times 16.000 = 2.240,00 \text{ cm}^2 \\ aS_{3.18} &= 13\% \times 16.000 = 2080,00 \text{ cm}^2 \\ aS_{4.18} &= 10\% \times 16.000 = 1.600,00 \text{ cm}^2 \\ aS_{5.18} &= 4\% \times 16.000 = 640,00 \text{ cm}^2 \\ aS_{6.18} &= 3\% \times 16.000 = 480,00 \text{ cm}^2 \end{aligned}$$

$$\begin{aligned} aS_{7.18} &= 2,5\% \times 16.000 = 400,00 \text{ cm}^2 \\ aS_{8.18} &= 2\% \times 16.000 = 320,00 \text{ cm}^2 \\ aS_{9.18} &= 1\% \times 16.000 = 160,00 \text{ cm}^2 \\ aS_{10.18} &= 0,5\% \times 16.000 = 80,00 \text{ cm}^2 \end{aligned}$$



5.1.2. Suprafata plagii in functie de timp [zile de tratament]

| SUPRAFATA PLAGII IN FUNCTIE DE TIMP [zile de tratament] [cm²] <u>ARSURA</u> | | | | | | | | | | | |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|
| Nr. subiect/ initialele | Examinarea nr. | | | | | | | | | | |
| | aS _{0.18} | aS _{1.18} | aS _{2.18} | aS _{3.18} | aS _{4.18} | aS _{5.18} | aS _{6.18} | aS _{7.18} | aS _{8.18} | aS _{9.18} | aS _{10.18} |
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 18/A.G.L. | 2.400,00 | 2.400,00 | 2.240,00 | 2.080,00 | 1.600 | 1.280,00 | 960,00 | 640,00 | 480,00 | 400,00 | 320,00 |

| Nr. subiect/ initialele | Examinarea nr. | | | | | | | | | | |
|----------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | aS _{11.18} | aS _{12.18} | aS _{13.18} | aS _{14.18} | aS _{15.18} | aS _{16.18} | aS _{17.18} | aS _{18.18} | aS _{19.18} | aS _{20.18} | aS _{21.18} |
| | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 18/A.G.L. | 280,00 | 240,00 | 200,00 | 160,00 | 120,00 | 80,00 | 50,00 | 20,00 | 17,14 | 14,28 | 11,42 |

| Nr. subiect/ initialele | Examinarea nr. | | | | | | | | | | |
|----------------------------|---------------------|---------------------|---------------------|---------------------|--|--|--|--|--|--|--|
| | aS _{22.18} | aS _{23.18} | aS _{24.18} | aS _{25.18} | | | | | | | |
| | 22 | 23 | 24 | 25 | | | | | | | |
| 18/A.G.L. | 8,56 | 5,70 | 2,84 | 0,00 | | | | | | | |

Rata de scadere a suprafetei, intre zilele 4 si 7 de tratament, este:

$$\begin{aligned} (aS_{7.18} - aS_{4.18})/3 &= (1.600,00 - 640,00)/3 = 320,00 \text{ cm}^2 \\ aS_{5.18} &= aS_{4.18} - 320,00 = 1.600,00 - 320,00 = 1.280,00 \text{ cm}^2 \\ aS_{6.18} &= (aS_{5.18} + aS_{7.18})/2 = (1.280,00 + 640,00)/2 = 960,00 \text{ cm}^2 \end{aligned}$$

Rata de scadere a suprafetei, intre zilele 10 si 14 de tratament, este:

$$\begin{aligned} (aS_{10.18} - aS_{14.18})/4 &= (320,00 - 160,00)/4 = 40,00 \text{ cm}^2 \\ aS_{11.18} &= aS_{10.18} - 40,00 = 320,00 - 40,00 = 280,00 \text{ cm}^2 \\ aS_{12.18} &= aS_{11.18} - 40,00 = 280,00 - 40,00 = 240,00 \text{ cm}^2 \\ aS_{13.18} &= (aS_{12.18} + aS_{14.18})/2 = (240,00 + 160,00)/2 = 200,00 \text{ cm}^2 \\ aS_{15.18} &= (aS_{14.18} + aS_{16.18})/2 = (160,00 + 80,00)/2 = 120,00 \text{ cm}^2 \\ aS_{17.18} &= (aS_{16.18} + aS_{18.18})/2 = (80,00 + 20,00)/2 = 50,00 \text{ cm}^2 \end{aligned}$$

Rata de scadere a suprafetei, intre zilele 18 si 25 de tratament, este:

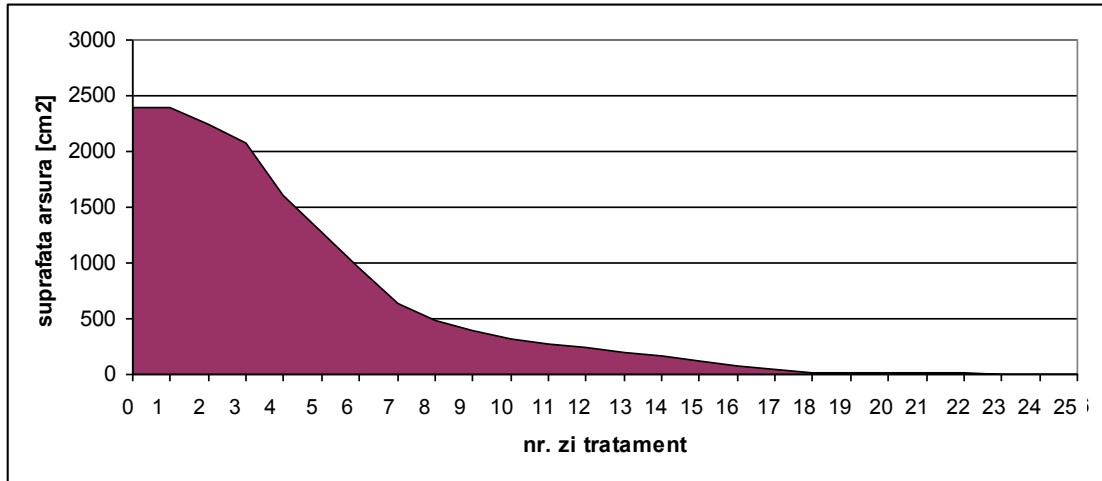
$$(aS_{18.18} - aS_{25.18})/7 = (20,00 - 0,00)/7 = 2,86 \text{ cm}^2$$

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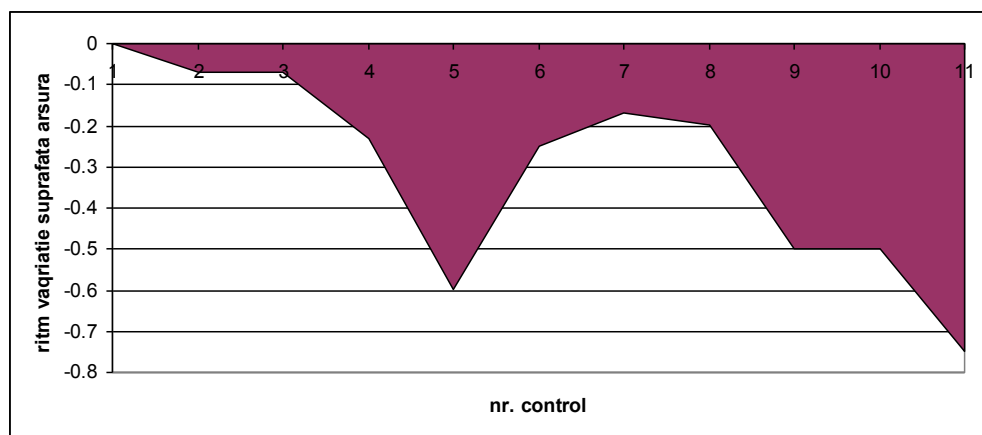
$$\begin{aligned}
 aS_{19,18} &= aS_{18,18} - 2,86 = 20,00 - 2,86 = 17,14 \text{ cm}^2 \\
 aS_{20,18} &= aS_{19,18} - 2,86 = 17,14 - 2,86 = 14,28 \text{ cm}^2 \\
 aS_{21,18} &= aS_{20,18} - 2,86 = 14,28 - 2,86 = 11,42 \text{ cm}^2 \\
 aS_{22,18} &= aS_{21,18} - 2,86 = 11,42 - 2,86 = 8,56 \text{ cm}^2 \\
 aS_{23,18} &= aS_{22,18} - 2,86 = 8,56 - 2,86 = 5,70 \text{ cm}^2 \\
 aS_{24,18} &= aS_{23,18} - 2,86 = 5,70 - 2,86 = 2,84 \text{ cm}^2
 \end{aligned}$$



5.1.3. Ritmul de variatie a suprafetei arsurii in functie de numarul controlului

| Subiect nr. | rs18 1/0 | rs18 2/1 | rs18 3/2 | rs18 4/3 | rs18 5/4 | rs18 6/5 | rs18 7/6 | rs18 8/7 | rs18 9/8 | rs18 10/9 | rs18 11/10 |
|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|------------|
| 18/A.G.L. | 0,00 | -0,07 | -0,07 | -0,23 | -0,60 | -0,25 | -0,17 | -0,20 | -0,50 | -0,50 | -0,75 |

$$\begin{aligned}
 ras_{18_{1/0}} &= aS_{1,18}/aS_{0,18} - 1 = 2.400,00/2.400,00 - 1 = 0,00 \\
 ras_{18_{2/1}} &= aS_{2,18}/aS_{1,18} - 1 = 2.240,00/2.400,00 - 1 = -0,07 \\
 ras_{18_{3/2}} &= aS_{3,18}/aS_{2,18} - 1 = 2.080,00/2.240,00 - 1 = -0,07 \\
 ras_{18_{4/3}} &= aS_{4,18}/aS_{3,18} - 1 = 1.600,00/2.080,00 - 1 = -0,23 \\
 ras_{18_{5/4}} &= aS_{5,18}/aS_{4,18} - 1 = 640,00/1.600,00 - 1 = -0,60 \\
 ras_{18_{6/5}} &= aS_{6,18}/aS_{5,18} - 1 = 480,00/640,00 - 1 = -0,25 \\
 ras_{18_{7/6}} &= aS_{7,18}/aS_{6,18} - 1 = 400,00/480,00 - 1 = -0,17 \\
 ras_{18_{8/7}} &= aS_{8,18}/aS_{7,18} - 1 = 320,00/400,00 - 1 = -0,20 \\
 ras_{18_{9/8}} &= aS_{9,18}/aS_{8,18} - 1 = 160,00/320,00 - 1 = -0,50 \\
 ras_{18_{10/9}} &= aS_{10,18}/aS_{9,18} - 1 = 80,00/160,00 - 1 = -0,50 \\
 ras_{18_{11/10}} &= aS_{11,18}/aS_{10,18} - 1 = 20,00/80,00 - 1 = -0,75
 \end{aligned}$$



INTERPRETARE DATE INVESTIGATIE CLINICA BT-01

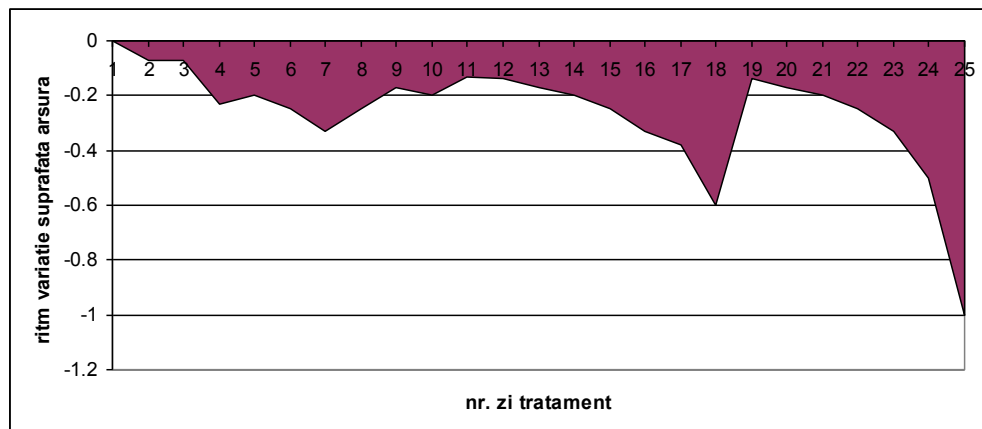
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5.1.4. Ritmul de variatie a suprafetei arsurii in functie de timp [zile de tratament]

| Subiect nr. | rs18 _{1/0} | rs18 _{2/1} | rs18 _{3/2} | rs18 _{4/3} | rs18 _{5/4} | rs18 _{6/5} | rs18 _{7/6} | rs18 _{8/7} | rs18 _{9/8} | rs18 _{10/9} | rs18 _{11/10} |
|-------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|-----------------------|
| 18/A.G.L. | 0,00 | -0,07 | -0,07 | -0,23 | -0,20 | -0,25 | -0,33 | -0,25 | -0,17 | -0,20 | -0,13 |
| | rs18 | rs18 | rs18 | rs18 | rs18 | rs18 | rs18 | rs18 | rs18 | rs18 | rs18 |
| | 12/11 | 13/12 | 14/13 | 15/14 | 16/15 | 17/16 | 18/17 | 19/18 | 20/19 | 21/20 | 22/21 |
| | -0,14 | -0,17 | -0,20 | -0,25 | -0,33 | -0,38 | -0,60 | -0,14 | -0,17 | -0,20 | -0,25 |
| | rs18 | rs18 | rs18 | | | | | | | | |
| 23/22 | 24/23 | 25/24 | | | | | | | | | |
| | -0,33 | -0,50 | -1,00 | | | | | | | | |

$ras18_{1/0} = aS_{1.18}/aS_{0.18} - 1 = 2.400,00/2.400,00 - 1 = 0,00$
 $ras18_{2/1} = aS_{2.18}/aS_{1.18} - 1 = 2.240,00/2.400,00 - 1 = -0,07$
 $ras18_{3/2} = aS_{3.18}/aS_{2.18} - 1 = 2.080,00/2.240,00 - 1 = -0,07$
 $ras18_{4/3} = aS_{4.18}/aS_{3.18} - 1 = 1.600,00/2.080,00 - 1 = -0,23$
 $ras18_{5/4} = aS_{5.18}/aS_{4.18} - 1 = 1.280,00/1.600,00 - 1 = -0,20$
 $ras18_{6/5} = aS_{6.18}/aS_{5.18} - 1 = 960,00/1.280,00 - 1 = -0,25$
 $ras18_{7/6} = aS_{7.18}/aS_{6.18} - 1 = 640,00/960,00 - 1 = -0,33$
 $ras18_{8/7} = aS_{8.18}/aS_{7.18} - 1 = 480,00/640,00 - 1 = -0,25$
 $ras18_{9/8} = aS_{9.18}/aS_{8.18} - 1 = 400,00/480,00 - 1 = -0,17$
 $ras18_{10/9} = aS_{10.18}/aS_{9.18} - 1 = 320,00/400,00 - 1 = -0,20$
 $ras18_{11/10} = aS_{11.18}/aS_{10.18} - 1 = 280,00/320,00 - 1 = -0,13$
 $ras18_{12/11} = aS_{12.18}/aS_{11.18} - 1 = 240,00/280,00 - 1 = -0,14$
 $ras18_{13/12} = aS_{13.18}/aS_{12.18} - 1 = 200,00/240,00 - 1 = -0,17$
 $ras18_{14/13} = aS_{14.18}/aS_{13.18} - 1 = 160,00/200,00 - 1 = -0,20$
 $ras18_{15/14} = aS_{15.18}/aS_{14.18} - 1 = 120,00/160,00 - 1 = -0,25$
 $ras18_{16/15} = aS_{16.18}/aS_{15.18} - 1 = 80,00/120,00 - 1 = -0,33$
 $ras18_{17/16} = aS_{17.18}/aS_{16.18} - 1 = 50,00/80,00 - 1 = -0,38$
 $ras18_{18/17} = aS_{18.18}/aS_{17.18} - 1 = 20,00/50,00 - 1 = -0,60$
 $ras18_{19/18} = aS_{19.18}/aS_{18.18} - 1 = 17,14/20,00 - 1 = -0,14$
 $ras18_{20/19} = aS_{20.18}/aS_{19.18} - 1 = 14,28/17,14 - 1 = -0,17$
 $ras18_{21/20} = aS_{21.18}/aS_{20.18} - 1 = 11,42/14,28 - 1 = -0,20$
 $ras18_{22/21} = aS_{22.18}/aS_{21.18} - 1 = 8,56/11,42 - 1 = -0,25$
 $ras18_{23/22} = aS_{23.18}/aS_{22.18} - 1 = 5,70/8,56 - 1 = -0,33$
 $ras18_{24/23} = aS_{24.18}/aS_{23.18} - 1 = 2,84/5,70 - 1 = -0,50$
 $ras18_{25/24} = aS_{25.18}/aS_{24.18} - 1 = 0,00/2,84 - 1 = -1,00$



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5.2. VOLUMUL PLAGII:

Volumul plagii se determina folosind formula:

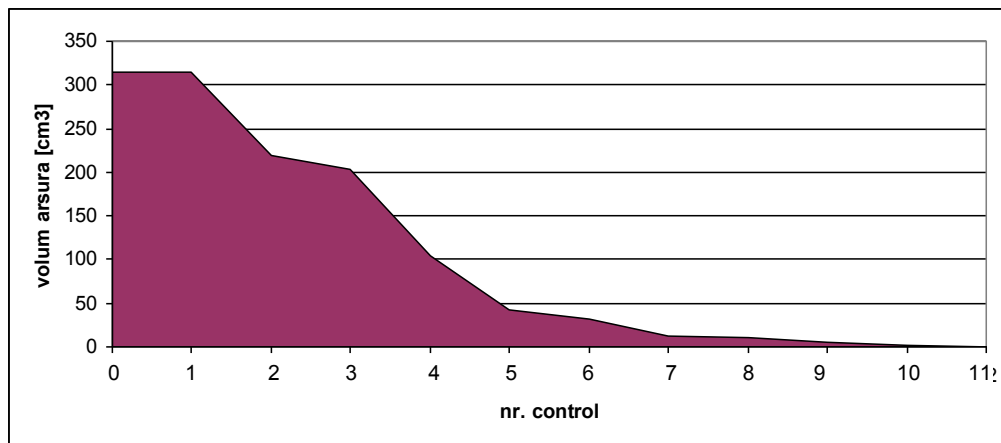
$$V = 0,327 \times S \times p$$

p = profunzimea plagii, S = suprafata corespunzatoare fiecarui control, respectiv, fiecarei zile de tratament.

5.2.1. Volumul plagii in functie de numarul controlului

| VOLUMUL PLAGII IN FUNCTIE DE NUMARUL CONTROLULUI [cm²] | | | | | | | | | | | | |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|---------------------|
| ARSURA: | | | | | | | | | | | | |
| Nr. subiect/ initialele | Examinarea nr. | | | | | | | | | | | |
| | aV _{0,18} | aV _{1,18} | aV _{2,18} | aV _{3,18} | aV _{4,18} | aV _{5,18} | aV _{6,18} | aV _{7,18} | aV _{8,18} | aV _{9,18} | aV _{10,18} | aV _{11,18} |
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 18/A.G.L. | 313,92 | 313,92 | 219,74 | 204,05 | 104,64 | 41,86 | 31,39 | 13,08 | 10,47 | 5,23 | 2,62 | 0,65 |

$p_{0,18} = 0,40 \text{ cm}$, $aV_{0,18} = 0,327 \times aS_{0,18} \times p_{0,18} = 0,327 \times 2.400,00 \times 0,40 = 313,92 \text{ cm}^3$
 $p_{1,18} = 0,40 \text{ cm}$, $aV_{1,18} = 0,327 \times aS_{1,18} \times p_{1,18} = 0,327 \times 2.400,00 \times 0,40 = 313,92 \text{ cm}^3$
 $p_{2,18} = 0,30 \text{ cm}$, $aV_{2,18} = 0,327 \times aS_{2,18} \times p_{2,18} = 0,327 \times 2.240,00 \times 0,30 = 219,74 \text{ cm}^3$
 $p_{3,18} = 0,30 \text{ cm}$, $aV_{3,18} = 0,327 \times aS_{3,18} \times p_{3,18} = 0,327 \times 2.080,00 \times 0,30 = 204,05 \text{ cm}^3$
 $p_{4,18} = 0,20 \text{ cm}$, $aV_{4,18} = 0,327 \times aS_{4,18} \times p_{4,18} = 0,327 \times 1.600,00 \times 0,20 = 104,64 \text{ cm}^3$
 $p_{5,18} = 0,20 \text{ cm}$, $aV_{5,18} = 0,327 \times aS_{5,18} \times p_{5,18} = 0,327 \times 640,00 \times 0,20 = 41,86 \text{ cm}^3$
 $p_{6,18} = 0,20 \text{ cm}$, $aV_{6,18} = 0,327 \times aS_{6,18} \times p_{6,18} = 0,327 \times 480,00 \times 0,20 = 31,39 \text{ cm}^3$
 $p_{7,18} = 0,10 \text{ cm}$, $aV_{7,18} = 0,327 \times aS_{7,18} \times p_{7,18} = 0,327 \times 400,00 \times 0,10 = 13,08 \text{ cm}^3$
 $p_{8,18} = 0,10 \text{ cm}$, $aV_{8,18} = 0,327 \times aS_{8,18} \times p_{8,18} = 0,327 \times 320,00 \times 0,10 = 10,47 \text{ cm}^3$
 $p_{9,18} = 0,10 \text{ cm}$, $aV_{9,18} = 0,327 \times aS_{9,18} \times p_{9,18} = 0,327 \times 160,00 \times 0,10 = 5,23 \text{ cm}^3$
 $p_{10,18} = 0,10 \text{ cm}$, $aV_{10,18} = 0,327 \times aS_{10,18} \times p_{10,18} = 0,327 \times 80,00 \times 0,10 = 2,62 \text{ cm}^3$
 $p_{11,18} = 0,10 \text{ cm}$, $aV_{11,18} = 0,327 \times aS_{11,18} \times p_{11,18} = 0,327 \times 20,00 \times 0,10 = 0,65 \text{ cm}^3$



5.2.2. Volumul plagii in functie de timp [zile de tratament]

| VOLUMUL PLAGII IN FUNCTIE DE TIMP [zile de tratament] [cm²] | | | | | | | | | | | | |
|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| ARSURA | | | | | | | | | | | | |
| Nr. subiect/ initialele | aV _{0,18} | aV _{1,18} | aV _{2,18} | aV _{3,18} | aV _{4,18} | aV _{5,18} | aV _{6,18} | aV _{7,18} | aV _{8,18} | aV _{9,18} | aV _{10,18} | aV _{11,18} |
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 18/A.G.L. | 313,92 | 313,92 | 219,74 | 204,05 | 104,64 | 83,71 | 62,79 | 41,86 | 31,39 | 13,08 | 10,47 | 9,16 |
| | aV _{12,18} | aV _{13,18} | aV _{14,18} | aV _{15,18} | aV _{16,18} | aV _{17,18} | aV _{18,18} | aV _{19,18} | aV _{20,18} | aV _{21,18} | aV _{22,18} | aV _{23,18} |
| | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | 7,85 | 6,54 | 5,23 | 3,92 | 2,62 | 1,64 | 0,65 | 0,56 | 0,47 | 0,38 | 0,29 | 0,20 |
| | aV _{24,18} | aV _{25,18} | | | | | | | | | | |
| | 24 | 25 | | | | | | | | | | |

INTERPRETARE DATE INVESTIGATIE CLINICA BT-01

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| | | | | | | | | | | |
|--|------|------|--|--|--|--|--|--|--|--|
| | 0,10 | 0,00 | | | | | | | | |
|--|------|------|--|--|--|--|--|--|--|--|

rata de scadere a volumului intre zilele 4 si 7 de tratament este:

$$(aV_{4.18} - aV_{7.18})/3 = (104,64 - 41,86)/3 = 20,93 \text{ cm}^3$$

$$aV_{5.18} = aV_{4.18} - 20,93 = 104,64 - 20,93 = 83,71 \text{ cm}^3$$

$$aV_{6.18} = (aV_{5.18} + aV_{7.18})/2 = (83,71 + 41,86)/2 = 62,79 \text{ cm}^3$$

rata de scadere a volumului intre zilele 14 si 10 de tratament este:

$$(aV_{10.18} - aV_{14.18})/4 = (10,47 - 5,23)/4 = 1,31 \text{ cm}^3$$

$$aV_{11.18} = aV_{10.18} - 1,31 = 10,47 - 1,31 = 9,16 \text{ cm}^3$$

$$aV_{12.18} = aV_{11.18} - 1,31 = 9,16 - 1,31 = 7,85 \text{ cm}^3$$

$$aV_{13.18} = (aV_{12.18} + aV_{14.18})/2 = (7,85 + 5,23)/2 = 6,54 \text{ cm}^3$$

$$aV_{15.18} = (aV_{14.18} + aV_{16.18})/2 = (5,23 + 2,62)/2 = 3,92 \text{ cm}^3$$

$$aV_{17.18} = (aV_{16.18} + aV_{18.18})/2 = (2,62 + 0,65)/2 = 1,64 \text{ cm}^3$$

rata de scadere a volumului intre zilele 18 si 25 de tratament este:

$$(aV_{18.18} - aV_{25.18})/7 = (0,65 - 0,00)/7 = 0,09 \text{ cm}^3$$

$$aV_{19.18} = aV_{18.18} - 0,09 = 0,65 - 0,09 = 0,56 \text{ cm}^3$$

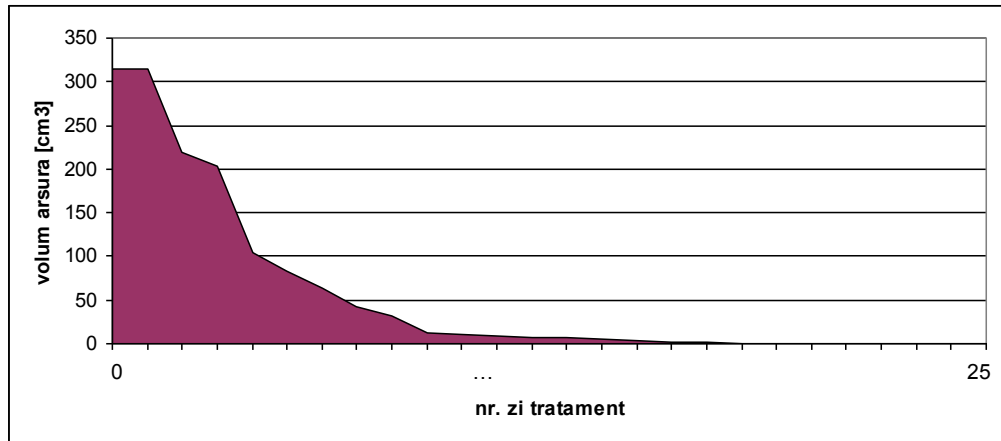
$$aV_{20.18} = aV_{19.18} - 0,09 = 0,56 - 0,09 = 0,47 \text{ cm}^3$$

$$aV_{21.18} = aV_{20.18} - 0,09 = 0,47 - 0,09 = 0,38 \text{ cm}^3$$

$$aV_{22.18} = aV_{21.18} - 0,09 = 0,38 - 0,09 = 0,29 \text{ cm}^3$$

$$aV_{23.18} = aV_{22.18} - 0,09 = 0,29 - 0,09 = 0,20 \text{ cm}^3$$

$$aV_{24.18} = aV_{23.18} - 0,09 = 0,20 - 0,09 = 0,10 \text{ cm}^3$$



5.2.3. Ritmul de variatie a volumului arsurii in functie de numarul controlului

| Subiect nr. | rv18 _{1/0} | rv18 _{2/1} | rv18 _{3/2} | rv18 _{4/3} | rv18 _{5/4} | rv18 _{6/5} | rv18 _{7/6} | rv18 _{8/7} | rv18 _{9/8} | rv18 _{10/9} | rv18 _{11/10} |
|------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|-----------------------|
| 18/A.G.L. | 0,00 | -0,30 | -0,07 | -0,49 | -0,60 | -0,25 | -0,58 | -0,20 | -0,50 | -0,50 | -0,75 |

$$rav18_{1/0} = aV_{1.18}/aV_{0.18} - 1 = 313,92/313,92 - 1 = 0,00$$

$$rav18_{2/1} = aV_{2.18}/aV_{1.18} - 1 = 219,74/313,92 - 1 = -0,30$$

$$rav18_{3/2} = aV_{3.18}/aV_{2.18} - 1 = 204,05/219,74 - 1 = -0,07$$

$$rav18_{4/3} = aV_{4.18}/aV_{3.18} - 1 = 104,64/204,05 - 1 = -0,49$$

$$rav18_{5/4} = aV_{5.18}/aV_{4.18} - 1 = 41,86/104,64 - 1 = -0,60$$

$$rav18_{6/5} = aV_{6.18}/aV_{5.18} - 1 = 31,39/41,86 - 1 = -0,25$$

$$rav18_{7/6} = aV_{7.18}/aV_{6.18} - 1 = 13,08/31,39 - 1 = -0,58$$

$$rav18_{8/7} = aV_{8.18}/aV_{7.18} - 1 = 10,47/13,08 - 1 = -0,20$$

$$rav18_{9/8} = aV_{9.18}/aV_{8.18} - 1 = 5,23/10,47 - 1 = -0,50$$

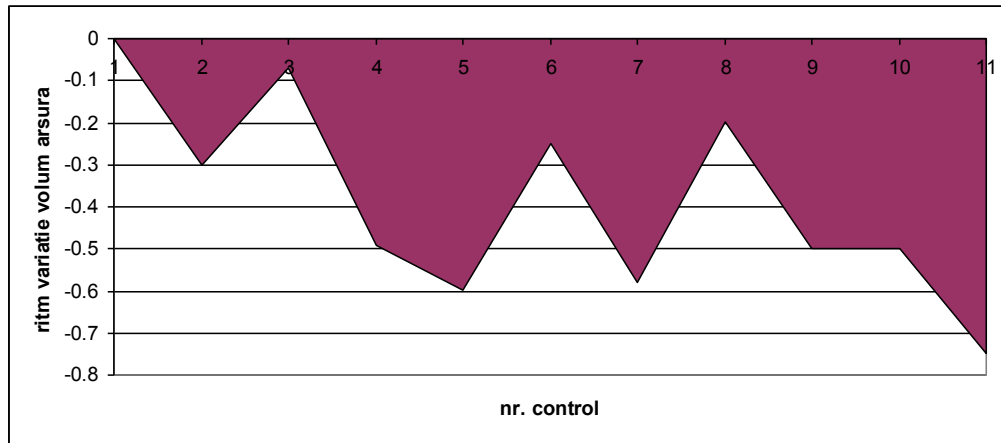
$$rav18_{10/9} = aV_{10.18}/aV_{9.18} - 1 = 2,62/5,23 - 1 = -0,50$$

$$rav18_{11/10} = aV_{11.18}/aV_{10.18} - 1 = 0,65/2,62 - 1 = -0,75$$

INTERPRETARE DATE INVESTIGATIE CLINICA BT-01

UTILIZAREA Unguent BIOTITUS[®] COMPRESA IMPREGNATA CU UNGUENT SI TUB CU Unguent BIOTITUS[®] IN TRATAMENTUL

- ARSURILOR
- ESCARELOR
- ULCERULUI DE GAMBA SI AL PICIORULUI DIABETIC



5.2.4. Ritmul de variatie a volumului arsurii in functie de timp [zile de tratament]

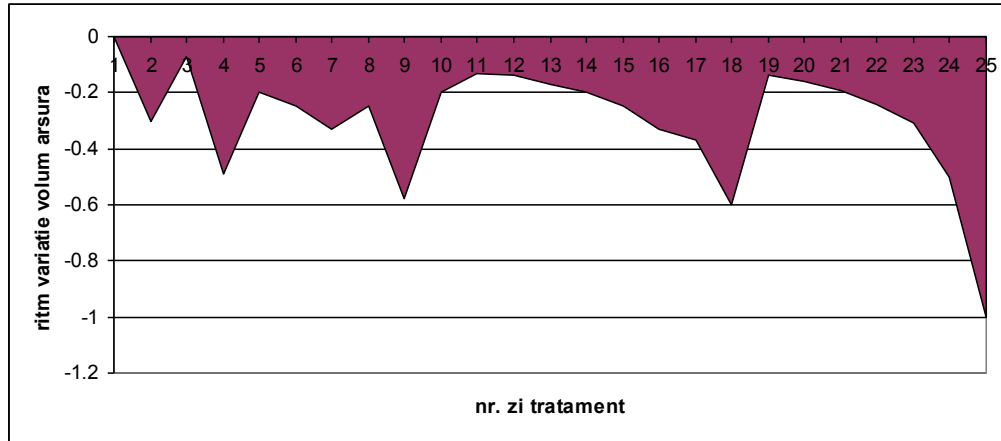
| Subiect nr. | rv18 _{1/0} | rv18 _{2/1} | rv18 _{3/2} | rv18 _{4/3} | rv18 _{5/4} | rv18 _{6/5} | rv18 _{7/6} | rv18 _{8/7} | rv18 _{9/8} | rv18 _{10/9} | rv18 _{11/10} | rv18 _{12/11} |
|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 18/A.G.L. | 0,00 | -0,30 | -0,07 | -0,49 | -0,20 | -0,25 | -0,33 | -0,25 | -0,58 | -0,20 | -0,13 | -0,14 |
| | rv18 _{13/12} | rv18 _{14/13} | rv18 _{15/14} | rv18 _{16/15} | rv18 _{17/16} | rv18 _{18/17} | rv18 _{19/18} | rv18 _{20/19} | rv18 _{21/20} | rv18 _{22/21} | rv18 _{23/22} | rv18 _{24/23} |
| | -0,17 | -0,20 | -0,25 | -0,33 | -0,37 | -0,60 | -0,14 | -0,16 | -0,19 | -0,24 | -0,31 | 0,50 |
| | rv18 _{25/24} | | | | | | | | | | | |
| | -1,00 | | | | | | | | | | | |

$$\begin{aligned}
 rav18_{1/0} &= aV_{1.18}/aV_{0.18} - 1 = 313,92/313,92 - 1 = 0,00 \\
 rav18_{2/1} &= aV_{2.18}/aV_{1.18} - 1 = 219,74/313,92 - 1 = -0,30 \\
 rav18_{3/2} &= aV_{3.18}/aV_{2.18} - 1 = 204,05/219,74 - 1 = -0,07 \\
 rav18_{4/3} &= aV_{4.18}/aV_{3.18} - 1 = 104,64/204,05 - 1 = -0,49 \\
 rav18_{5/4} &= aV_{5.18}/aV_{4.18} - 1 = 83,71/104,64 - 1 = -0,20 \\
 rav18_{6/5} &= aV_{6.18}/aV_{5.18} - 1 = 62,79/83,71 - 1 = -0,25 \\
 rav18_{7/6} &= aV_{7.18}/aV_{6.18} - 1 = 41,86/62,79 - 1 = -0,33 \\
 rav18_{8/7} &= aV_{8.18}/aV_{7.18} - 1 = 31,39/41,86 - 1 = -0,25 \\
 rav18_{9/8} &= aV_{9.18}/aV_{8.18} - 1 = 13,08/31,39 - 1 = -0,58 \\
 rav18_{10/9} &= aV_{10.18}/aV_{9.18} - 1 = 10,47/13,08 - 1 = -0,20 \\
 rav18_{11/10} &= aV_{11.18}/aV_{10.18} - 1 = 9,16/10,47 - 1 = -0,13 \\
 rav18_{12/11} &= aV_{12.18}/aV_{11.18} - 1 = 7,85/9,16 - 1 = -0,14 \\
 rav18_{13/12} &= aV_{13.18}/aV_{12.18} - 1 = 6,54/7,85 - 1 = -0,17 \\
 rav18_{14/13} &= aV_{14.18}/aV_{13.18} - 1 = 5,23/6,54 - 1 = -0,20 \\
 rav18_{15/14} &= aV_{15.18}/aV_{14.18} - 1 = 3,92/5,23 - 1 = -0,25 \\
 rav18_{16/15} &= aV_{16.18}/aV_{15.18} - 1 = 2,62/3,92 - 1 = -0,33 \\
 rav18_{17/16} &= aV_{17.18}/aV_{16.18} - 1 = 1,64/2,62 - 1 = -0,37 \\
 rav18_{18/17} &= aV_{18.18}/aV_{17.18} - 1 = 0,65/1,64 - 1 = -0,60 \\
 rav18_{19/18} &= aV_{19.18}/aV_{18.18} - 1 = 0,56/0,65 - 1 = -0,14 \\
 rav18_{20/19} &= aV_{20.18}/aV_{19.18} - 1 = 0,47/0,56 - 1 = -0,16 \\
 rav18_{21/20} &= aV_{21.18}/aV_{20.18} - 1 = 0,38/0,47 - 1 = -0,19 \\
 rav18_{22/21} &= aV_{22.18}/aV_{21.18} - 1 = 0,29/0,38 - 1 = -0,24 \\
 rav18_{23/22} &= aV_{23.18}/aV_{22.18} - 1 = 0,20/0,29 - 1 = -0,31 \\
 rav18_{24/23} &= aV_{24.18}/aV_{23.18} - 1 = 0,10/0,20 - 1 = -0,50 \\
 rav18_{25/24} &= aV_{25.18}/aV_{24.18} - 1 = 0,00/0,10 - 1 = -1,00
 \end{aligned}$$

INTERPRETARE DATE INVESTIGATIE CLINICA BT-01

UTILIZAREA Unguent BIOTITUS[®] COMPRESA IMPREGNATA CU UNGUENT SI TUB CU Unguent BIOTITUS[®] IN TRATAMENTUL

- ARSURILOR
- ESCARELOR
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5.3. Infectia plagii (arsurii)

| PREZENTA/ABSENTA INFECTIEI LOCALE A ARSURII [da/nu] | | | | | | | | | | | | |
|---|-----------|----|----|----|----|----|----|----|----|----|----|--|
| Nr. Subiect | Examinare | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
| 18/A.G.L. | NU | NU | NU | NU | NU | NU | NU | NU | NU | NU | NU | |

6. INTERPRETARE REZULTATE – SCOPURI FINALE SECUNDARE:

6.1. Intensitatea durerii resimtite de subiect la achimbarea pansamentului alcatuit cu produsele **Unguent BIOTITUS[®]**

| INTENSITATEA DURERII RESIMTITE DE SUBIECT LA INDEPARTAREA DE PE PLAGA A PANSAMENTULUI ALCATUIT CU Unguent BIOTITUS[®] | | | | | | | | | | | | |
|---|-------------|---|---|---|---|---|---|---|---|----|----|--------------------------|
| Nr. subiect/ initialele | Nr. control | | | | | | | | | | | Durere medie/ subiect |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
| 18/A.G.L. | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1,27 |

Durerea medie resimtita de subiect la indepartarea de pe arsura a pansamentului alcatuit cu,

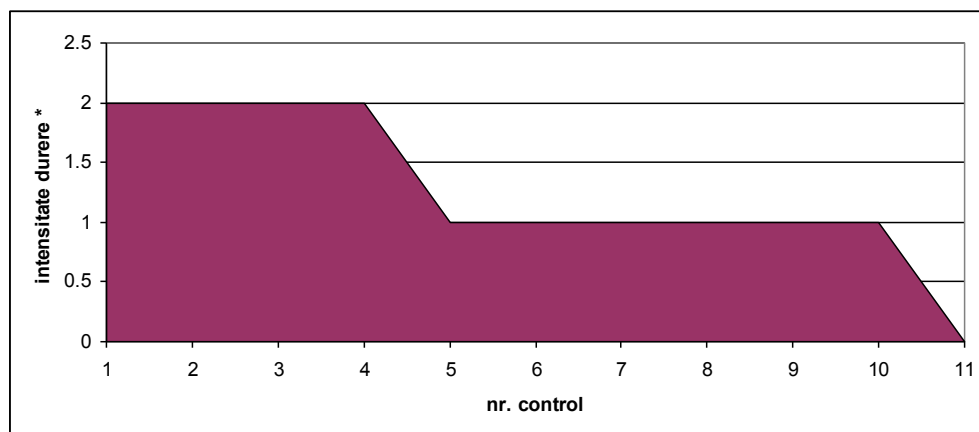
Unguent BIOTITUS[®] este:

$$(2 + 2 + 2 + 2 + 2 + 1 + 1 + 1 + 1 + 1 + 1 + 0) / 11 = 1,27$$

INTERPRETARE DATE INVESTIGATIE CLINICA BT-01

UTILIZAREA Unguent BIOTITUS[®] COMPRESA IMPREGNATA CU UNGUENT SI TUB CU Unguent BIOTITUS[®] IN TRATAMENTUL

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* Conform scalei Wong-Baker

6.2. Toleranta si acceptabilitatea produselor Unguent BIOTITUS[®] (compresa impregnata si unguent)

| TOLERANTA SI ACCEPTABILITATEA PRODUSELOR <u>Unguent BIOTITUS[®]</u> | | | | | | |
|--|--|---------------------------------|----------------------------------|-------------------------------------|---------------------------|------------------------|
| SUBIECT | TOLERANTA | ACCEPTABILITATE | | | | |
| | Aparitia fenomenelor indezirabile locale [da/nu] | Durata medie de aplicare [zile] | Usurinta aplicarii [f.usor/usor] | Usurinta indepartarii [f.usor/usor] | Stare piele perilezionala | Miros [prezent/absent] |
| 18/A.G.L. | NU | 1,38 | FU | FU | FB | absent |

Durata medie de aplicare a pansamentului alcatuit cu Unguent BIOTITUS[®] este:

dm = = nr. de zile de tratament/nr. de schimbari pansamente

dm =25/18 = 1,38 zile

s-au luat in calcul 18 schimbari ale pansamentului, conform completarilor efectuate in dosarul subiectului, de catre medicul investigator, care a precizat, dupa controlul 12 din dosar [in fapt, controlul 11, deoarece initial, controlul ar trebui notat cu „0”], ca pacientul continua tratamentul pentru inca o saptamana. Se ia in calcul varianta cea mai nefavorabila, in care schimbarea pansamentului se realizeaza zilnic.

6.3. Evaluarea comparativa a costului tratamentului arsurilor cu produse traditionale si cu produsele Unguent BIOTITUS[®]

Medicul investigator nu a cules datele referitoare la costrurile de tratament.

Data terminarii procedurilor: 06.07.2012, ora 11⁰⁰

28.08.2012