

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. 33

Data selectiei: 06.07.2012

Ora: 10⁰⁰

1. DATE DEMOGRAFICE:

1.1. Initiale: C.L
1.2. Varsta/data nasterii: 70/12.01.1940
1.3. Sex: F
1.4. Domiciliul: R
1.5. Ocupatia: PENSIONARA

2. ANTECEDENTE MEDICALE:

- fara

3. GRUP SANGUIN: A2

4. CARACTERISTICILE PLAGII:

4.1. Tip: Arsura
4.2. Vechime: 3 ore
4.3. Etiologie: Lichid fierbinte
4.4. Localizare: Sâni bilateral, torace anterior, abdomen,
4.5. Descriere: Arsura grad Ila si IIb
4.6. Tratament anterior: Curatare plaga [indepartare corpuri straine, provenite de la imbracaminte]

5. INTERPRETARE REZULTATE – SCOP FINAL PRIMAR:

5.1. SUPRAFATA PLAGII:

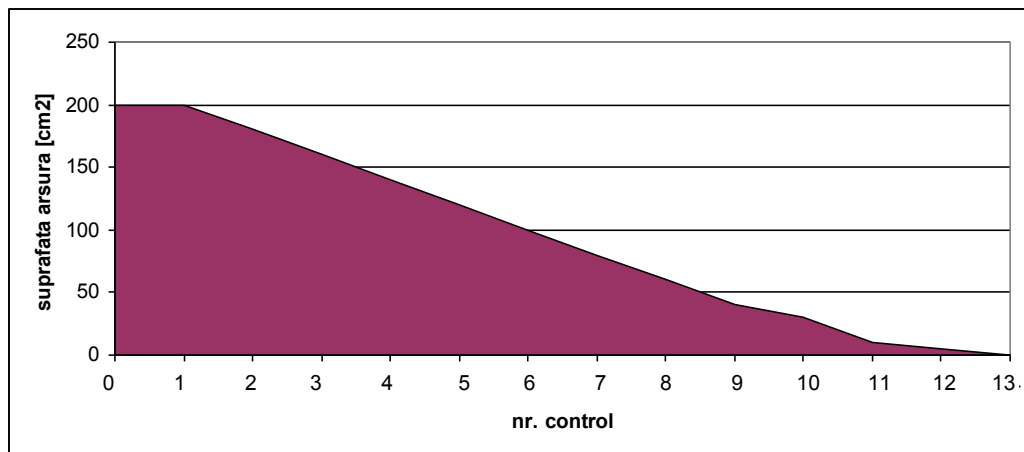
5.1.1. Suprafata plagii in functie de numarul controlului

SUPRAFATA PLAGII IN FUNCTIE DE NUMARUL CONTROLULUI [cm ²] ARSURA:											
Nr. subiect/ initialele	Examinarea nr.										
	aS _{0.33}	aS _{1.33}	aS _{2.33}	aS _{3.33}	aS _{4.33}	aS _{5.33}	aS _{6.33}	aS _{7.33}	aS _{8.33}	aS _{9.33}	
	0	1	2	3	4	5	6	7	8	9	
33/C.L	200,00	200,00	180,00	160,00	140,00	120,00	100,00	80,00	60,00	40,00	
	aS _{10.33}	aS _{11.33}	aS _{12.33}	aS _{13.33}							
	10	11	12	13							
	30,00	10,00	5,00	0,00							

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



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

SUPRAFATA PLAGII IN FUNCTIE DE TIMP [zile de tratament] [cm ²]										
<u>ARSURA:</u>										
Nr. subiect/ initialele	Examinarea nr.									
	aS _{0,33}	aS _{1,33}	aS _{2,33}	aS _{3,33}	aS _{4,33}	aS _{5,33}	aS _{6,33}	aS _{7,33}	aS _{8,33}	aS _{9,33}
	0	1	2	3	4	5	6	7	8	9
33/C.L	200,00	200,00	200,00	190,00	180,00	160,00	153,33	146,67	140,00	130,00
	aS _{10,33}	aS _{11,33}	aS _{12,33}	aS _{13,33}	aS _{14,33}	aS _{15,33}	aS _{16,33}	aS _{17,33}	aS _{18,33}	aS _{19,33}
	120,00	110,00	100,00	90,00	80,00	70,00	60,00	40,00	35,00	30,00
	aS _{20,33}	aS _{21,33}	aS _{22,33}	aS _{23,33}	aS _{24,33}	aS _{25,33}	aS _{26,33}			
	23,33	16,67	10,00	7,50	5,00	2,50	0,00			

$$aS_{1,33} = (aS_{0,33} + aS_{3,33})/2 = (200,00 + 200,00)/2 = 200,00 \text{ cm}^2$$

$$aS_{3,33} = (aS_{2,33} + aS_{4,33})/2 = (200,00 + 180,00)/2 = 190,00 \text{ cm}^2$$

Rata de scadere a suprafetei, intre zilele 5 si 8 de tratament, este:

$$(aS_{5,33} - aS_{8,33})/3 = (160,00 - 140,00)/3 = 6,67 \text{ cm}^2$$

$$aS_{6,33} = aS_{5,33} - 6,67 = 160,00 - 6,67 = 153,33 \text{ cm}^2$$

$$aS_{7,33} = (aS_{6,33} + aS_{8,33})/2 = (153,33 + 140,00)/2 = 146,67 \text{ cm}^2$$

$$aS_{9,33} = (aS_{8,33} + aS_{10,33})/2 = (140,00 + 120,00)/2 = 130,00 \text{ cm}^2$$

$$aS_{11,33} = (aS_{10,33} + aS_{12,33})/2 = (120,00 + 100,00)/2 = 110,00 \text{ cm}^2$$

$$aS_{13,33} = (aS_{12,33} + aS_{14,33})/2 = (100,00 + 80,00)/2 = 90,00 \text{ cm}^2$$

$$aS_{15,33} = (aS_{14,33} + aS_{16,33})/2 = (80,00 + 60,00)/2 = 70,00 \text{ cm}^2$$

$$aS_{18,33} = (aS_{17,33} + aS_{19,33})/2 = (40,00 + 30,00)/2 = 35,00 \text{ cm}^2$$

Rata de scadere a suprafetei, intre zilele 19 si 22 de tratament, este:

$$(aS_{19,33} - aS_{22,33})/3 = (30,00 - 10,00)/3 = 6,67 \text{ cm}^2$$

$$aS_{20,33} = aS_{19,33} - 6,67 = 30,00 - 6,67 = 23,33 \text{ cm}^2$$

$$aS_{21,33} = (aS_{20,33} + aS_{22,33})/2 = (23,33 + 10,00)/2 = 16,67 \text{ cm}^2$$

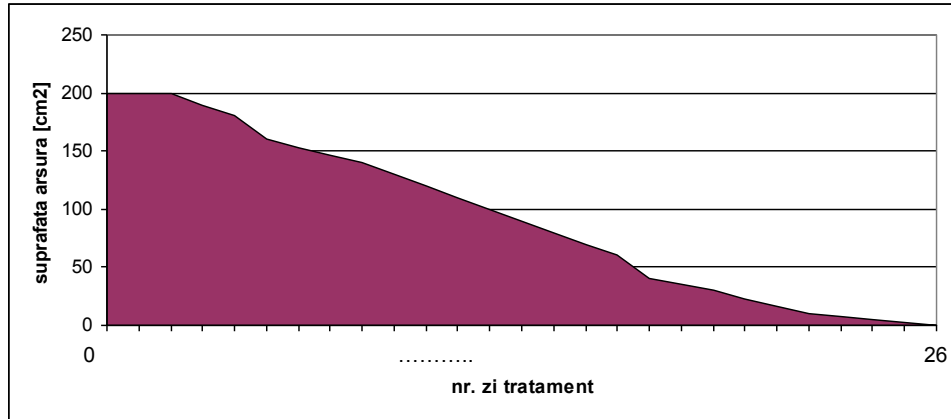
$$aS_{23,33} = (aS_{22,33} + aS_{24,33})/2 = (10,00 + 5,00)/2 = 7,50 \text{ cm}^2$$

$$aS_{25,33} = (aS_{24,33} + aS_{26,33})/2 = (5,00 + 0,00)/2 = 2,50 \text{ cm}^2$$

INTERPRETARE DATE INVESTIGATIE CLINICA BT-01

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

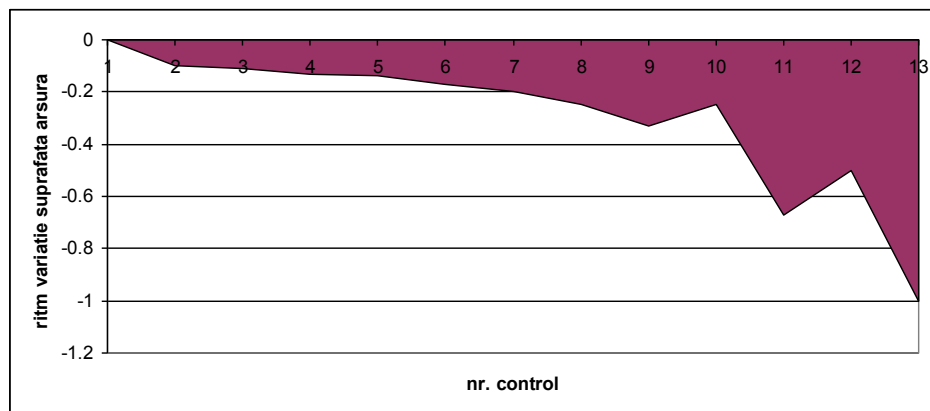
- ARSURILOR
- ESCARELOR
- ULCERULUI DE GAMBA SI AL PICIORULUI DIABETIC



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

Subiect nr.	rs33 1/0	rs33 2/1	rs33 3/2	rs33 4/3	rs33 5/4	rs33 6/5	rs33 7/6	rs33 8/7	rs33 9/8	rs33 10/9	rs33 11/10
33/C.L.	0,00	-0,10	-0,11	-0,13	-0,14	-0,17	-0,20	-0,25	-0,33	-0,25	-0,67
	rs33 12/11	rs33 13/12									
	-0,50	-1,00									

$ras33_{1/0} = aS_{1.33}/aS_{0.33} - 1 = 200,00/200,00 - 1 = 0,00$
 $ras33_{2/1} = aS_{2.33}/aS_{1.33} - 1 = 180,00/200,00 - 1 = - 0,10$
 $ras33_{3/2} = aS_{3.33}/aS_{2.33} - 1 = 160,00/180,00 - 1 = - 0,11$
 $ras33_{4/3} = aS_{4.33}/aS_{3.33} - 1 = 140,00/160,00 - 1 = - 0,13$
 $ras33_{5/4} = aS_{5.33}/aS_{4.33} - 1 = 120,00/140,00 - 1 = - 0,14$
 $ras33_{6/5} = aS_{6.33}/aS_{5.33} - 1 = 100,00/120,00 - 1 = - 0,17$
 $ras33_{7/6} = aS_{7.33}/aS_{6.33} - 1 = 80,00/100,00 - 1 = - 0,20$
 $ras33_{8/7} = aS_{8.33}/aS_{7.33} - 1 = 60,00/80,00 - 1 = - 0,25$
 $ras33_{9/8} = aS_{9.33}/aS_{8.33} - 1 = 40,00/60,00 - 1 = - 0,33$
 $ras33_{10/9} = aS_{10.33}/aS_{9.33} - 1 = 30,00/40,00 - 1 = - 0,25$
 $ras33_{11/10} = aS_{11.33}/aS_{10.33} - 1 = 10,00/30,00 - 1 = - 0,67$
 $ras33_{12/11} = aS_{12.33}/aS_{11.33} - 1 = 5,00/10,00 - 1 = - 0,50$
 $ras33_{13/12} = aS_{13.33}/aS_{12.33} - 1 = 0,00/5,00 - 1 = - 1,00$



INTERPRETARE DATE INVESTIGATIE CLINICA BT-01

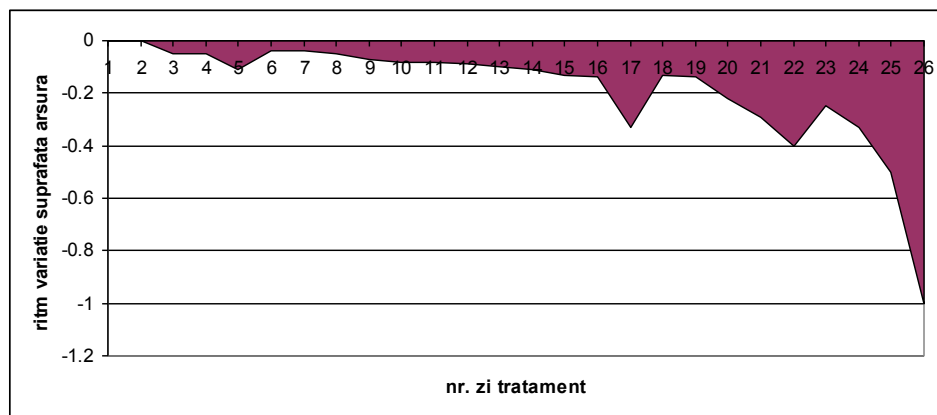
UTILIZAREA Unguent BIOTITUS[®] COMPRESA IMPREGNATA CU UNGUENT SI TUB CU UNGUENT BIOTITUS[®] IN TRATAMENTUL

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

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

Subiect nr.	rs33 _{1/0}	rs33 _{2/1}	rs33 _{3/2}	rs33 _{4/3}	rs33 _{5/4}	rs33 _{6/5}	rs33 _{7/6}	rs33 _{8/7}	rs33 _{9/8}	rs33 _{10/9}	rs33 _{11/10}
33/C.L.	0,00	0,00	-0,05	-0,05	-0,11	-0,04	-0,04	-0,05	-0,07	-0,08	-0,08
	rs33	rs33	rs33	rs33	rs33	rs33	rs33	rs33	rs33	rs33	rs33
	12/11	13/12	14/13	15/14	16/15	17/16	18/17	19/18	20/19	21/20	22/21
	-0,09	-0,10	-0,11	-0,13	-0,14	-0,33	-0,13	-0,14	-0,22	-0,29	-0,40
	rs33	rs33	rs33	rs33							
	23/22	24/23	25/24	26/25							
	-0,25	-0,33	-0,50	-1,00							

$ras33_{1/0} = aS_{1.33}/aS_{0.33} - 1 = 200,00/200,00 - 1 = 0,00$
 $ras33_{2/1} = aS_{2.33}/aS_{1.33} - 1 = 200,00/200,00 - 1 = 0,00$
 $ras33_{3/2} = aS_{3.33}/aS_{2.33} - 1 = 190,00/200,00 - 1 = -0,05$
 $ras33_{4/3} = aS_{4.33}/aS_{3.33} - 1 = 180,00/190,00 - 1 = -0,05$
 $ras33_{5/4} = aS_{5.33}/aS_{4.33} - 1 = 160,00/180,00 - 1 = -0,11$
 $ras33_{6/5} = aS_{6.33}/aS_{5.33} - 1 = 153,33/160,00 - 1 = -0,04$
 $ras33_{7/6} = aS_{6.33}/aS_{6.33} - 1 = 146,67/153,33 - 1 = -0,04$
 $ras33_{8/7} = aS_{8.33}/aS_{7.33} - 1 = 140,00/146,67 - 1 = -0,05$
 $ras33_{9/8} = aS_{9.33}/aS_{8.33} - 1 = 130,00/140,00 - 1 = -0,07$
 $ras33_{10/9} = aS_{10.33}/aS_{9.33} - 1 = 120,00/130,00 - 1 = -0,08$
 $ras33_{11/10} = aS_{11.33}/aS_{10.33} - 1 = 110,00/120,00 - 1 = -0,08$
 $ras33_{12/11} = aS_{12.33}/aS_{11.33} - 1 = 100,00/110,00 - 1 = -0,09$
 $ras33_{13/12} = aS_{13.33}/aS_{12.33} - 1 = 90,00/100,00 - 1 = -0,10$
 $ras33_{14/13} = aS_{14.33}/aS_{13.33} - 1 = 80,00/90,00 - 1 = -0,11$
 $ras33_{15/14} = aS_{15.33}/aS_{14.33} - 1 = 70,00/80,00 - 1 = -0,13$
 $ras33_{16/15} = aS_{16.33}/aS_{15.33} - 1 = 60,00/70,00 - 1 = -0,14$
 $ras33_{17/16} = aS_{17.33}/aS_{16.33} - 1 = 40,00/60,00 - 1 = -0,33$
 $ras33_{18/17} = aS_{18.33}/aS_{17.33} - 1 = 35,00/40,00 - 1 = -0,13$
 $ras33_{19/18} = aS_{19.33}/aS_{18.33} - 1 = 30,00/35,00 - 1 = -0,14$
 $ras33_{20/19} = aS_{20.33}/aS_{19.33} - 1 = 23,33/30,00 - 1 = -0,22$
 $ras33_{21/20} = aS_{21.33}/aS_{20.33} - 1 = 16,67/23,33 - 1 = -0,29$
 $ras33_{22/21} = aS_{22.33}/aS_{21.33} - 1 = 10,00/16,67 - 1 = -0,40$
 $ras33_{23/22} = aS_{23.33}/aS_{22.33} - 1 = 7,50/10,00 - 1 = -0,25$
 $ras33_{24/23} = aS_{24.33}/aS_{23.33} - 1 = 5,00/7,50 - 1 = -0,33$
 $ras33_{25/24} = aS_{25.33}/aS_{24.33} - 1 = 2,50/5,00 - 1 = -0,50$
 $ras33_{26/25} = aS_{26.33}/aS_{25.33} - 1 = 0,00/2,50 - 1 = -1,00$



5.2. VOLUMUL PLAGII:

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

Medicul investigator nu a inregistrat datele referitoare la profunzimea arsurii, astfel incat nu poate fi apreciata evolutia volumului in functie de numarul controlului si, implicit, de numarul zilelor de tratament.

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	12	13
33/C.L.	NU	NU	NU	NU	NU	NU	NU	NU	NU	NU	NU	NU	NU

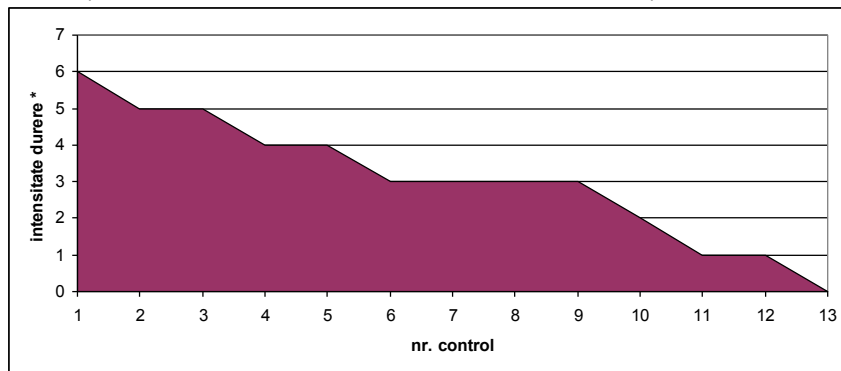
6. INTERPRETARE REZULTATE – SCOPURI FINALE SECUNDARE:

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	12	13	
33/C.L.	6	5	5	4	4	3	3	3	3	2	1	1	0	3,08

Durerea medie resimtita de subiect la indepartarea de pe arsura a pansamentului alcatuit cu **Unguent BIOTITUS[®]**, este:

$$(6 + 5 + 5 + 4 + 4 + 3 + 3 + 3 + 3 + 2 + 1 + 1 + 0) / 13 = 3,08$$



* Conform scalei Wong-Baker

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

TOLERANTA SI ACCEPTABILITATEA PRODUSELOR Unguent BIOTITUS[®]						
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]
33/C.L.	NU	2,00	FU	FU	Discret prurit in zilele 4 si 5 de tratament; absent ulterior	absent

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

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

dm = nr. zile tratament/nr. schimbari pansament

dm = 26/13 = 2,00 zile

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

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

Data terminarii procedurilor: 01.08.2012, ora 10⁰⁰