

# 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. 01

Data selectiei: 08.02.2012

Ora: 10<sup>00</sup>

### 1. DATE DEMOGRAFICE:

1.1. Initiale: C.C.  
1.2. Varsta/data nasterii: 44/30.01.1968  
1.3. Sex: F  
1.4. Domiciliul: U  
1.5. Ocupatia: PENSIONARA

### 2. ANTECEDENTE MEDICALE:

- scleroza multipla, paraplegie  
- greutate corporala : 48 Kg

### 3. GRUP SANGUIN: AB4

### 4. CARACTERISTICILE PLAGII:

4.1. Tip: Escara  
4.2. Vechime: 60 zile  
4.3. Etiologie: Imobilizare  
4.4. Localizare: Regiunea sacrala  
4.5. Descriere: Eritem, necroza, igiena deficitara  
Tratament anterior: apa oxigenata

### 5. INTERPRETARE REZULTATE – SCOP FINAL PRIMAR:

#### 5.1. SUPRAFATA PLAGII:

##### 5.1.1. Suprafata plagii in functie de numarul controlului

Nr. subiect/ initialele	SUPRAFATA PLAGII IN FUNCTIE DE TIMP [zile de tratament] [cm <sup>2</sup> ] ESCARA													
	eS <sub>0.1</sub>	eS <sub>1.1</sub>	eS <sub>2.1</sub>	eS <sub>3.1</sub>	eS <sub>4.1</sub>	eS <sub>5.1</sub>	eS <sub>6.1</sub>	eS <sub>7.1</sub>	eS <sub>8.1</sub>	eS <sub>9.1</sub>	eS <sub>10.1</sub>	eS <sub>11.1</sub>	eS <sub>12.1</sub>	eS <sub>13.1</sub>
1/C.C.	155,98	155,98	129,91	106,50	99,40	83,07	75,44	71,00	35,50	18,46	13,67	8,52	3,55	2,13

Luand in calcul datele completate in dosar de medicul investigator si suprafata determinata a escarei, acolo unde acest lucru a fost posibil [unde a fost amplasata rigla gradata], se constata urmatoarele diferente:

$$eS_{0.1.masurat} = 155,98 \text{ cm}^2$$

$$eS_{0.1.dosar} = 25 \times 35 = 875,00 \text{ cm}^2$$

$$eS_{0.2.masurat} = 129,91 \text{ cm}^2$$

$$eS_{0.2.dosar} = 23 \times 32 = 736,00 \text{ cm}^2$$

Pentru aprecierea cat mai corecta a suprafetei escarei, luand in calcul faptul ca valoarea reala este cea determinata plecand de la scara de realizare a fotografiei si masurarea suprafetei cu ajutorul hartiei milimetrice, se calculeaza raportul dintre cele doua suprafete [masurat/dosar], suprafetele ulterioare se vor calcula inmultind suprafata notata la dosar cu valoarea medie a raportului calculat ca mai sus, pentru cele doua controale [controlul 0 si 2].

Astfel:

$$eS_{0.1.masurat} / eS_{0.1.dosar} = 155,98 / 875,00 = 0,178$$

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$$eS_{2.1.masurat}/eS_{2.1.dosar} = 129,91/736,00 = 0,177$$

valoarea medie a raportului, notata in continuare cu  $\beta$ , este:

$$\beta = (0,178 + 0,177)/2 = 0,1775$$

Suprafetele din dosar, calculate ca produs al celor doua dimensiuni completate de medicul investigator, vor fi inmultite cu  $\beta$ , pentru a se obtine o suprafata a escarei cat mai exacta.

$$eS_{1.1} = eS_{0.1} = 155,98 \text{ cm}^2$$

$$eS_{3.1} = 20 \times 30 \times \beta = 20 \times 30 \times 0,1775 = 106,50 \text{ cm}^2$$

$$eS_{4.1} = 20 \times 28 \times \beta = 20 \times 28 \times 0,1775 = 99,40 \text{ cm}^2$$

$$eS_{5.1} = 18 \times 26 \times \beta = 18 \times 26 \times 0,1775 = 83,07 \text{ cm}^2$$

$$eS_{6.1} = 17 \times 25 \times \beta = 17 \times 25 \times 0,1775 = 75,44 \text{ cm}^2$$

$$eS_{7.1} = 16 \times 25 \times \beta = 16 \times 25 \times 0,1775 = 71,00 \text{ cm}^2$$

$$eS_{8.1} = 10 \times 20 \times \beta = 10 \times 20 \times 0,1775 = 35,50 \text{ cm}^2$$

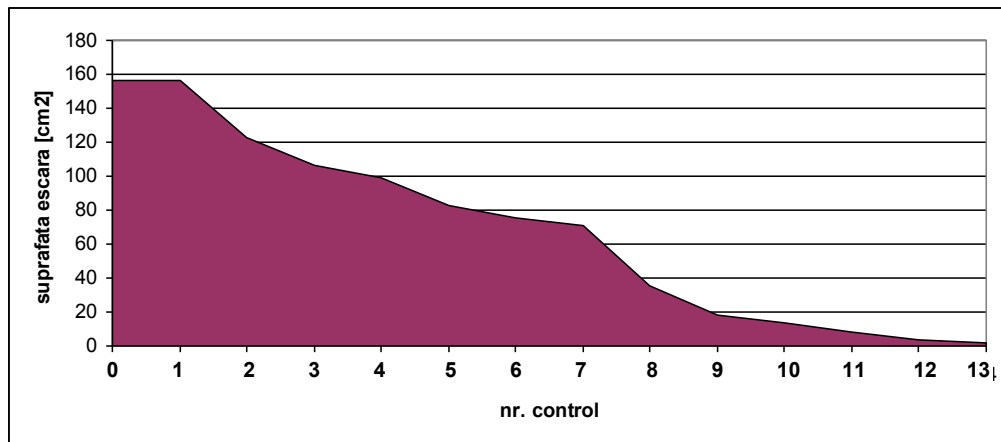
$$eS_{9.1} = 8 \times 13 \times \beta = 8 \times 13 \times 0,1775 = 18,46 \text{ cm}^2$$

$$eS_{10.1} = 7 \times 11 \times \beta = 7 \times 11 \times 0,1775 = 13,67 \text{ cm}^2$$

$$eS_{11.1} = 6 \times 8 \times \beta = 6 \times 8 \times 0,1775 = 8,52 \text{ cm}^2$$

$$eS_{12.1} = 5 \times 4 \times \beta = 5 \times 4 \times 0,1775 = 3,55 \text{ cm}^2$$

$$eS_{13.1} = 4 \times 3 \times \beta = 4 \times 3 \times 0,1775 = 2,13 \text{ cm}^2$$



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

SUPRAFATA PLAGII IN FUNCTIE DE TIMP [zile de tratament] [cm²] <u>ESCARA</u>														
Nr. subiect/ initialele 1/C.C.	eS <sub>0.1</sub>	eS <sub>1.1</sub>	eS <sub>2.1</sub>	eS <sub>3.1</sub>	eS <sub>4.1</sub>	eS <sub>5.1</sub>	eS <sub>6.1</sub>	eS <sub>7.1</sub>	eS <sub>8.1</sub>	eS <sub>9.1</sub>	eS <sub>10.1</sub>	eS <sub>11.1</sub>	eS <sub>12.1</sub>	eS <sub>13.1</sub>
	0	1	2	3	4	5	6	7	8	9	10	11	12	13
	155,98	155,98	129,91	122,11	114,31	106,50	99,40	83,07	75,44	71,00	65,93	60,86	55,79	50,72
	eS <sub>14.1</sub>	eS <sub>15.1</sub>	eS <sub>16.1</sub>	eS <sub>17.1</sub>	eS <sub>18.1</sub>	eS <sub>19.1</sub>	eS <sub>20.1</sub>	eS <sub>21.1</sub>	eS <sub>22.1</sub>	eS <sub>23.1</sub>	eS <sub>24.1</sub>	eS <sub>25.1</sub>	eS <sub>26.1</sub>	eS <sub>27.1</sub>
	45,65	40,58	35,50	33,80	32,10	30,40	28,70	27,00	25,30	23,60	21,90	20,18	18,46	18,21
	eS <sub>28.1</sub>	eS <sub>29.1</sub>	eS <sub>30.1</sub>	eS <sub>31.1</sub>	eS <sub>32.1</sub>	eS <sub>33.1</sub>	eS <sub>34.1</sub>	eS <sub>35.1</sub>	eS <sub>36.1</sub>	eS <sub>37.1</sub>	eS <sub>38.1</sub>	eS <sub>39.1</sub>	eS <sub>40.1</sub>	eS <sub>41.1</sub>
	17,96	17,71	17,46	17,21	16,96	16,71	16,46	16,21	15,96	15,71	15,46	15,21	14,96	14,71

SUPRAFATA PLAGII IN FUNCTIE DE TIMP [zile de tratament] [cm²] <u>ESCARA</u>														
Nr. subiect/	eS <sub>42.1</sub>	eS <sub>43.1</sub>	eS <sub>44.1</sub>	eS <sub>45.1</sub>	eS <sub>46.1</sub>	eS <sub>47.1</sub>	eS <sub>48.1</sub>	eS <sub>49.1</sub>	eS <sub>50.1</sub>	eS <sub>51.1</sub>	eS <sub>52.1</sub>	eS <sub>53.1</sub>	eS <sub>54.1</sub>	eS <sub>55.1</sub>

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initialele 1/C.C.	42	43	44	45	46	47	48	49	50	51	52	53	54	55
	14,46	14,21	13,94	13,67	13,41	13,15	12,89	12,63	12,37	12,11	11,85	11,59	11,33	11,07
	eS <sub>56.1</sub>	eS <sub>57.1</sub>	eS <sub>58.1</sub>	eS <sub>59.1</sub>	eS <sub>60.1</sub>	eS <sub>61.1</sub>	eS <sub>62.1</sub>	eS <sub>63.1</sub>	eS <sub>64.1</sub>	eS <sub>65.1</sub>	eS <sub>66.1</sub>	eS <sub>67.1</sub>	eS <sub>68.1</sub>	eS <sub>69.1</sub>
	56	57	58	59	60	61	62	63	64	65	66	67	68	69
	10,81	10,55	10,29	10,03	9,77	9,51	9,25	8,99	8,76	8,52	8,31	8,10	7,89	7,68
	eS <sub>70.1</sub>	eS <sub>71.1</sub>	eS <sub>72.1</sub>	eS <sub>73.1</sub>	eS <sub>74.1</sub>	eS <sub>75.1</sub>	eS <sub>76.1</sub>	eS <sub>77.1</sub>	eS <sub>78.1</sub>	eS <sub>79.1</sub>	eS <sub>80.1</sub>	eS <sub>81.1</sub>	eS <sub>82.1</sub>	eS <sub>83.1</sub>
	70	71	72	73	74	75	76	77	78	79	80	81	82	83
	7,47	7,26	7,05	6,84	6,63	6,42	6,21	6,00	5,79	5,58	5,37	5,16	4,95	4,74
	eS <sub>84.1</sub>	eS <sub>85.1</sub>	eS <sub>86.1</sub>	eS <sub>87.1</sub>	eS <sub>88.1</sub>	eS <sub>89.1</sub>	eS <sub>90.1</sub>	eS <sub>91.1</sub>	eS <sub>92.1</sub>	eS <sub>93.1</sub>	eS <sub>94.1</sub>	eS <sub>95.1</sub>	eS <sub>96.1</sub>	eS <sub>97.1</sub>
	84	85	86	87	88	89	90	91	92	93	94	95	96	97
	4,53	4,32	4,11	3,90	3,73	3,55	3,19	2,83	2,48	2,13				

rata de scadere a suprafetei escarei intre zilele 2 si 5 de tratament, este:

$$(eS_{2.1} - eS_{5.1})/3 = (129,91 - 106,50)/3 = 7,80 \text{ cm}^2$$

$$eS_{3.1} = eS_{2.1} - 7,80 = 129,91 - 7,80 = 122,11 \text{ cm}^2$$

$$eS_{4.1} = (eS_{3.1} + eS_{5.1})/2 = (122,11 + 106,50)/2 = 114,31 \text{ cm}^2$$

rata de scadere a suprafetei escarei intre zilele 9 si 16 de tratament, este:

$$(eS_{9.1} - eS_{16.1})/7 = (71,00 - 35,50)/7 = 5,07 \text{ cm}^2$$

$$eS_{10.1} = eS_{9.1} - 5,07 = 71,00 - 5,07 = 65,93 \text{ cm}^2$$

$$eS_{11.1} = eS_{10.1} - 5,07 = 65,93 - 5,07 = 60,86 \text{ cm}^2$$

$$eS_{12.1} = eS_{11.1} - 5,07 = 60,86 - 5,07 = 55,79 \text{ cm}^2$$

$$eS_{13.1} = eS_{12.1} - 5,07 = 55,79 - 5,07 = 50,72 \text{ cm}^2$$

$$eS_{14.1} = eS_{13.1} - 5,07 = 50,72 - 5,07 = 45,65 \text{ cm}^2$$

$$eS_{15.1} = (eS_{14.1} + eS_{16.1})/2 = (45,65 + 35,50)/2 = 40,58 \text{ cm}^2$$

rata de scadere a suprafetei escarei intre zilele 16 si 26 de tratament, este:

$$(eS_{16.1} - eS_{26.1})/10 = (35,50 - 18,46)/10 = 1,70 \text{ cm}^2$$

$$eS_{17.1} = eS_{16.1} - 1,70 = 35,50 - 1,70 = 33,80 \text{ cm}^2$$

$$eS_{18.1} = eS_{17.1} - 1,70 = 33,80 - 1,70 = 32,10 \text{ cm}^2$$

$$eS_{19.1} = eS_{18.1} - 1,70 = 32,10 - 1,70 = 30,40 \text{ cm}^2$$

$$eS_{20.1} = eS_{19.1} - 1,70 = 30,40 - 1,70 = 28,70 \text{ cm}^2$$

$$eS_{21.1} = eS_{20.1} - 1,70 = 28,70 - 1,70 = 27,00 \text{ cm}^2$$

$$eS_{22.1} = eS_{21.1} - 1,70 = 27,00 - 1,70 = 25,30 \text{ cm}^2$$

$$eS_{23.1} = eS_{22.1} - 1,70 = 25,30 - 1,70 = 23,60 \text{ cm}^2$$

$$eS_{24.1} = eS_{23.1} - 1,70 = 23,60 - 1,70 = 21,90 \text{ cm}^2$$

$$eS_{25.1} = (eS_{24.1} + eS_{26.1})/2 = (21,90 + 18,46)/2 = 20,18 \text{ cm}^2$$

rata de scadere a suprafetei escarei intre zilele 26 si 45 de tratament, este:

$$(eS_{26.1} - eS_{45.1})/19 = (18,46 - 13,67)/19 = 0,25 \text{ cm}^2$$

$$eS_{27.1} = eS_{26.1} - 0,25 = 18,46 - 0,25 = 18,21 \text{ cm}^2$$

$$eS_{28.1} = eS_{27.1} - 0,25 = 18,21 - 0,25 = 17,96 \text{ cm}^2$$

$$eS_{29.1} = eS_{28.1} - 0,25 = 17,96 - 0,25 = 17,71 \text{ cm}^2$$

$$eS_{30.1} = eS_{29.1} - 0,25 = 17,71 - 0,25 = 17,46 \text{ cm}^2$$

$$eS_{31.1} = eS_{30.1} - 0,25 = 17,46 - 0,25 = 17,21 \text{ cm}^2$$

$$eS_{32.1} = eS_{31.1} - 0,25 = 17,21 - 0,25 = 16,96 \text{ cm}^2$$

$$eS_{33.1} = eS_{32.1} - 0,25 = 16,96 - 0,25 = 16,71 \text{ cm}^2$$

$$eS_{34.1} = eS_{33.1} - 0,25 = 16,71 - 0,25 = 16,46 \text{ cm}^2$$

$$eS_{35.1} = eS_{34.1} - 0,25 = 16,46 - 0,25 = 16,21 \text{ cm}^2$$

$$eS_{36.1} = eS_{35.1} - 0,25 = 16,21 - 0,25 = 15,96 \text{ cm}^2$$

$$eS_{37.1} = eS_{36.1} - 0,25 = 15,96 - 0,25 = 15,71 \text{ cm}^2$$

$$eS_{38.1} = eS_{37.1} - 0,25 = 15,71 - 0,25 = 15,46 \text{ cm}^2$$

$$eS_{39.1} = eS_{38.1} - 0,25 = 15,46 - 0,25 = 15,21 \text{ cm}^2$$

$$eS_{40.1} = eS_{39.1} - 0,25 = 15,21 - 0,25 = 14,96 \text{ cm}^2$$

$$eS_{41.1} = eS_{40.1} - 0,25 = 14,96 - 0,25 = 14,71 \text{ cm}^2$$

$$eS_{42.1} = eS_{41.1} - 0,25 = 14,71 - 0,25 = 14,46 \text{ cm}^2$$

$$eS_{43.1} = eS_{42.1} - 0,25 = 14,46 - 0,25 = 14,21 \text{ cm}^2$$

$$eS_{44.1} = (eS_{43.1} + eS_{45.1})/2 = (14,21 + 13,67)/2 = 13,94 \text{ cm}^2$$

rata de scadere a suprafetei escarei intre zilele 45 si 65 de tratament, este:

$$(eS_{45.1} - eS_{65.1})/20 = (13,67 - 8,52)/20 = 0,26 \text{ cm}^2$$

$$eS_{46.1} = eS_{45.1} - 0,26 = 13,67 - 0,26 = 13,41 \text{ cm}^2$$

$$eS_{47.1} = eS_{46.1} - 0,26 = 13,41 - 0,26 = 13,15 \text{ cm}^2$$

$$eS_{48.1} = eS_{47.1} - 0,26 = 13,15 - 0,26 = 12,89 \text{ cm}^2$$

$$eS_{49.1} = eS_{48.1} - 0,26 = 12,89 - 0,26 = 12,63 \text{ cm}^2$$

$$eS_{50.1} = eS_{49.1} - 0,26 = 12,63 - 0,26 = 12,37 \text{ cm}^2$$

$$eS_{51.1} = eS_{50.1} - 0,26 = 12,37 - 0,26 = 12,11 \text{ cm}^2$$

$$eS_{52.1} = eS_{51.1} - 0,26 = 12,11 - 0,26 = 11,85 \text{ cm}^2$$

$$eS_{53.1} = eS_{52.1} - 0,26 = 11,85 - 0,26 = 11,59 \text{ cm}^2$$

$$eS_{54.1} = eS_{53.1} - 0,26 = 11,59 - 0,26 = 11,33 \text{ cm}^2$$

$$eS_{55.1} = eS_{54.1} - 0,26 = 11,33 - 0,26 = 11,07 \text{ cm}^2$$

$$eS_{56.1} = eS_{55.1} - 0,26 = 11,07 - 0,26 = 10,81 \text{ cm}^2$$

$$eS_{57.1} = eS_{56.1} - 0,26 = 10,81 - 0,26 = 10,55 \text{ cm}^2$$

$$eS_{58.1} = eS_{57.1} - 0,26 = 10,55 - 0,26 = 10,29 \text{ cm}^2$$

$$eS_{59.1} = eS_{58.1} - 0,26 = 10,29 - 0,26 = 10,03 \text{ cm}^2$$

$$eS_{60.1} = eS_{59.1} - 0,26 = 10,03 - 0,26 = 9,77 \text{ cm}^2$$

$$eS_{61.1} = eS_{60.1} - 0,26 = 9,77 - 0,26 = 9,51 \text{ cm}^2$$

$$eS_{62.1} = eS_{61.1} - 0,26 = 9,51 - 0,26 = 9,25 \text{ cm}^2$$

$$eS_{63.1} = eS_{62.1} - 0,26 = 9,25 - 0,26 = 8,99 \text{ cm}^2$$

$$eS_{64.1} = (eS_{63.1} + eS_{65.1})/2 = (8,99 + 8,52)/2 = 8,76 \text{ cm}^2$$

rata de scadere a suprafetei escarei intre zilele 65 si 89 de tratament, este:

$$(eS_{65.1} - eS_{89.1})/24 = (8,52 - 3,55)/24 = 0,21 \text{ cm}^2$$

$$eS_{66.1} = eS_{65.1} - 0,21 = 8,52 - 0,21 = 8,31 \text{ cm}^2$$

$$eS_{67.1} = eS_{66.1} - 0,21 = 8,31 - 0,21 = 8,10 \text{ cm}^2$$

$$eS_{68.1} = eS_{67.1} - 0,21 = 8,10 - 0,21 = 7,89 \text{ cm}^2$$

$$eS_{69.1} = eS_{68.1} - 0,21 = 7,89 - 0,21 = 7,68 \text{ cm}^2$$

$$eS_{70.1} = eS_{69.1} - 0,21 = 7,68 - 0,21 = 7,47 \text{ cm}^2$$

$$eS_{71.1} = eS_{70.1} - 0,21 = 7,47 - 0,21 = 7,26 \text{ cm}^2$$

$$eS_{72.1} = eS_{71.1} - 0,21 = 7,26 - 0,21 = 7,05 \text{ cm}^2$$

$$eS_{73.1} = eS_{72.1} - 0,21 = 7,05 - 0,21 = 6,84 \text{ cm}^2$$

$$eS_{74.1} = eS_{73.1} - 0,21 = 6,84 - 0,21 = 6,63 \text{ cm}^2$$

$$eS_{75.1} = eS_{74.1} - 0,21 = 6,63 - 0,21 = 6,42 \text{ cm}^2$$

$$eS_{76.1} = eS_{75.1} - 0,21 = 6,42 - 0,21 = 6,21 \text{ cm}^2$$

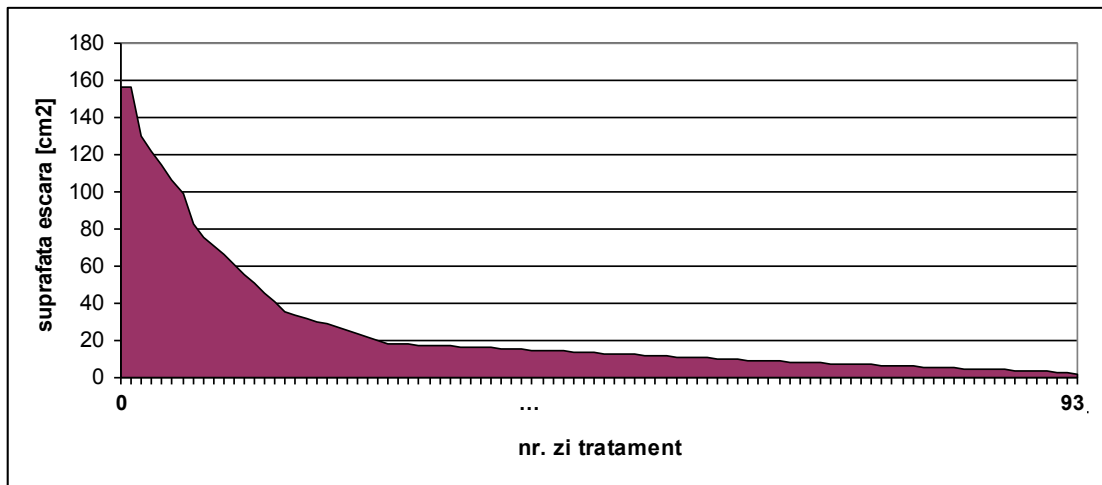
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$$\begin{aligned}
 eS_{77.1} &= eS_{76.1} - 0,21 = 6,21 - 0,21 = 6,00 \text{ cm}^2 \\
 eS_{78.1} &= eS_{77.1} - 0,21 = 6,00 - 0,21 = 5,79 \text{ cm}^2 \\
 eS_{79.1} &= eS_{78.1} - 0,21 = 5,79 - 0,21 = 5,58 \text{ cm}^2 \\
 eS_{80.1} &= eS_{79.1} - 0,21 = 5,58 - 0,21 = 5,37 \text{ cm}^2 \\
 eS_{81.1} &= eS_{80.1} - 0,21 = 5,37 - 0,21 = 5,16 \text{ cm}^2 \\
 eS_{82.1} &= eS_{81.1} - 0,21 = 5,16 - 0,21 = 4,95 \text{ cm}^2 \\
 eS_{83.1} &= eS_{82.1} - 0,21 = 4,95 - 0,21 = 4,74 \text{ cm}^2 \\
 eS_{84.1} &= eS_{83.1} - 0,21 = 4,74 - 0,21 = 4,53 \text{ cm}^2 \\
 eS_{85.1} &= eS_{84.1} - 0,21 = 4,53 - 0,21 = 4,32 \text{ cm}^2 \\
 eS_{86.1} &= eS_{85.1} - 0,21 = 4,32 - 0,21 = 4,11 \text{ cm}^2
 \end{aligned}$$

$$\begin{aligned}
 eS_{87.1} &= eS_{86.1} - 0,21 = 4,11 - 0,21 = 3,90 \text{ cm}^2 \\
 eS_{88.1} &= (eS_{87.1} + eS_{89.1})/2 = (3,90 + 3,55)/2 = 3,73 \text{ cm}^2 \\
 &\text{rata de scadere a suprafetei escarei intre zilele 89 si} \\
 &\text{93 de tratament, este:} \\
 (eS_{89.1} - eS_{93.1})/4 &= (3,55 - 2,13)/4 = 0,36 \text{ cm}^2 \\
 eS_{90.1} &= eS_{89.1} - 0,36 = 3,55 - 0,36 = 3,19 \text{ cm}^2 \\
 eS_{91.1} &= eS_{90.1} - 0,36 = 3,19 - 0,36 = 2,83 \text{ cm}^2 \\
 eS_{92.1} &= (eS_{91.1} + eS_{93.1})/2 = (2,83 + 2,13)/2 = 2,48 \text{ cm}^2
 \end{aligned}$$

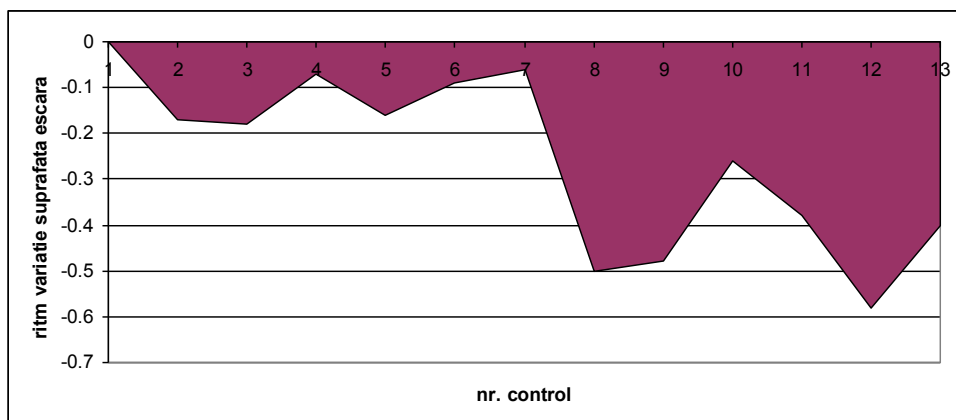


### 5.1.3. Ritmul de variatie a suprafetei escarei in functie de numarul controlului

Subiect nr.	rs1 1/0	rs1 2/1	rs1 3/2	rs1 4/3	rs1 5/4	rs1 6/5	rs1 7/6	rs1 8/7	rs1 9/8	rs1 10/9	rs1 11/10	rs1 12/11	rs1 13/12
1/C.C.	0,00	-0,17	-0,18	-0,07	-0,16	-0,09	-0,06	-0,50	-0,48	-0,26	-0,38	-0,58	-0,40

$$\begin{aligned}
 res_{1/0} &= eS_{1.1}/eS_{0.1} - 1 = 155,98/155,98 - 1 = 0,00 \\
 res_{2/1} &= eS_{2.1}/eS_{1.1} - 1 = 129,91/155,98 - 1 = -0,17 \\
 res_{3/2} &= eS_{3.1}/eS_{2.1} - 1 = 106,50/129,91 - 1 = -0,18 \\
 res_{4/3} &= eS_{4.1}/eS_{3.1} - 1 = 99,40/106,50 - 1 = -0,07 \\
 res_{5/4} &= eS_{5.1}/eS_{4.1} - 1 = 83,07/99,40 - 1 = -0,16 \\
 res_{6/5} &= eS_{6.1}/eS_{5.1} - 1 = 75,44/83,07 - 1 = -0,09
 \end{aligned}$$

$$\begin{aligned}
 res_{7/6} &= eS_{7.1}/eS_{6.1} - 1 = 71,00/75,44 - 1 = -0,06 \\
 res_{8/7} &= eS_{8.1}/eS_{7.1} - 1 = 35,50/71,00 - 1 = -0,50 \\
 res_{9/8} &= eS_{9.1}/eS_{8.1} - 1 = 18,46/35,50 - 1 = -0,48 \\
 res_{10/9} &= eS_{10.1}/eS_{9.1} - 1 = 13,67/18,46 - 1 = -0,26 \\
 res_{11/10} &= eS_{11.1}/eS_{10.1} - 1 = 8,52/13,67 - 1 = -0,38 \\
 res_{12/11} &= eS_{12.1}/eS_{11.1} - 1 = 3,55/8,52 - 1 = -0,58 \\
 res_{13/12} &= eS_{13.1}/eS_{12.1} - 1 = 2,13/3,55 - 1 = -0,40
 \end{aligned}$$



## 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 escarei in functie de timp [zile de tratament]

Subiect nr.	rs1 1/0	rs1 2/1	rs1 3/2	rs1 4/3	rs1 5/4	rs1 6/5	rs1 7/6	rs1 8/7	rs1 9/8	rs1 10/9	rs1 11/10	rs1 12/11	rs1 13/12
<b>1/C.C.</b>	0,00	-0,17	-0,06	-0,06	-0,07	-0,07	-0,16	-0,09	-0,06	-0,07	-0,08	-0,08	-0,09
	<b>rs1 14/13</b>	<b>rs1 15/14</b>	<b>rs1 16/15</b>	<b>rs1 17/16</b>	<b>rs1 18/17</b>	<b>rs1 19/18</b>	<b>rs1 20/21</b>	<b>rs1 21/20</b>	<b>rs1 22/21</b>	<b>rs1 23/22</b>	<b>rs1 24/23</b>	<b>rs1 25/24</b>	<b>rs1 26/25</b>
	-0,10	-0,11	-0,13	-0,05	-0,05	-0,05	-0,06	-0,06	-0,06	-0,06	-0,07	-0,08	-0,09
	<b>rs1 27/26</b>	<b>rs1 28/27</b>	<b>rs1 29/28</b>	<b>rs1 30/29</b>	<b>rs1 31/30</b>	<b>rs1 32/31</b>	<b>rs1 33/32</b>	<b>rs1 34/33</b>	<b>rs1 35/34</b>	<b>rs1 36/35</b>	<b>rs1 37/36</b>	<b>rs1 38/37</b>	<b>rs1 39/38</b>
	-0,01	-0,01	-0,01	-0,01	-0,01	-0,01	-0,01	-0,01	-0,02	-0,02	-0,02	-0,02	-0,02
	<b>rs1 40/39</b>	<b>rs1 41/40</b>	<b>rs1 42/39</b>	<b>rs1 43/42</b>	<b>rs1 44/43</b>	<b>rs1 45/44</b>	<b>rs1 46/45</b>	<b>rs1 47/46</b>	<b>rs1 48/47</b>	<b>rs1 49/48</b>	<b>rs1 50/49</b>	<b>rs1 51/50</b>	<b>rs1 52/51</b>
	-0,02	-0,02	-0,02	-0,02	-0,02	-0,02	-0,02	-0,02	-0,02	-0,02	-0,02	-0,02	-0,02
	<b>rs1 53/52</b>	<b>rs1 54/53</b>	<b>rs1 55/54</b>	<b>rs1 56/55</b>	<b>rs1 57/56</b>	<b>rs1 58/57</b>	<b>rs1 59/58</b>	<b>rs1 60/59</b>	<b>rs1 61/60</b>	<b>rs1 62/61</b>	<b>rs1 63/62</b>	<b>rs1 64/63</b>	<b>rs1 65/64</b>
	-0,02	-0,02	-0,02	-0,02	-0,02	-0,02	-0,03	-0,03	-0,03	-0,03	-0,03	-0,03	-0,03
	<b>rs1 66/65</b>	<b>rs1 67/66</b>	<b>rs1 68/67</b>	<b>rs1 69/68</b>	<b>rs1 70/69</b>	<b>rs1 71/70</b>	<b>rs1 72/71</b>	<b>rs1 73/72</b>	<b>rs1 74/73</b>	<b>rs1 75/74</b>	<b>rs1 76/75</b>	<b>rs1 77/76</b>	<b>rs1 78/77</b>
	-0,02	-0,03	-0,03	-0,03	-0,03	-0,03	-0,03	-0,03	-0,03	-0,03	-0,03	-0,03	-0,04
	<b>rs1 79/77</b>	<b>rs1 80/79</b>	<b>rs1 81/80</b>	<b>rs1 82/81</b>	<b>rs1 83/82</b>	<b>rs1 84/83</b>	<b>rs1 85/84</b>	<b>rs1 86/85</b>	<b>rs1 87/86</b>	<b>rs1 88/87</b>	<b>rs1 89/88</b>	<b>rs1 90/89</b>	<b>rs1 91/90</b>
	-0,04	-0,04	-0,04	-0,04	-0,04	-0,04	-0,05	-0,05	-0,05	-0,05	-0,05	-0,10	-0,11
	<b>rs1 92/91</b>	<b>rs1 93/92</b>											
	-0,12	-0,14											

$$res1_{1/0} = eS_{1.1}/eS_{0.1} - 1 = 155,98/155,98 - 1 = 0,00$$

$$res1_{2/1} = eS_{2.1}/eS_{1.1} - 1 = 129,91/155,98 - 1 = -0,17$$

$$res1_{3/2} = eS_{3.1}/eS_{2.1} - 1 = 122,11/129,91 - 1 = -0,06$$

$$res1_{4/3} = eS_{4.1}/eS_{3.1} - 1 = 114,31/122,11 - 1 = -0,06$$

$$res1_{5/4} = eS_{5.1}/eS_{4.1} - 1 = 106,50/114,31 - 1 = -0,07$$

$$res1_{6/5} = eS_{6.1}/eS_{5.1} - 1 = 99,40/106,50 - 1 = -0,07$$

$$res1_{7/6} = eS_{7.1}/eS_{6.1} - 1 = 83,07/99,40 - 1 = -0,16$$

$$res1_{8/7} = eS_{8.1}/eS_{7.1} - 1 = 75,44/83,07 - 1 = -0,09$$

$$res1_{9/8} = eS_{9.1}/eS_{8.1} - 1 = 71,00/75,44 - 1 = -0,06$$

$$res1_{10/9} = eS_{10.1}/eS_{9.1} - 1 = 65,93/71,00 - 1 = -0,07$$

$$res1_{11/10} = eS_{11.1}/eS_{10.1} - 1 = 60,86/65,93 - 1 = -0,08$$

$$res1_{12/11} = eS_{12.1}/eS_{11.1} - 1 = 55,79/60,86 - 1 = -0,08$$

$$res1_{13/12} = eS_{13.1}/eS_{12.1} - 1 = 50,72/55,79 - 1 = -0,09$$

$$res1_{14/13} = eS_{14.1}/eS_{13.1} - 1 = 45,65/50,72 - 1 = -0,10$$

$$res1_{15/14} = eS_{15.1}/eS_{14.1} - 1 = 40,58/45,65 - 1 = -0,11$$

$$res1_{16/15} = eS_{16.1}/eS_{15.1} - 1 = 35,50/40,58 - 1 = -0,13$$

$$res1_{17/16} = eS_{17.1}/eS_{16.1} - 1 = 33,80/35,50 - 1 = -0,05$$

$$res1_{18/17} = eS_{18.1}/eS_{17.1} - 1 = 32,10/33,80 - 1 = -0,05$$

$$res1_{19/18} = eS_{19.1}/eS_{18.1} - 1 = 30,40/32,10 - 1 = -0,05$$

$$res1_{20/19} = eS_{20.1}/eS_{19.1} - 1 = 28,70/30,40 - 1 = -0,06$$

$$res1_{21/20} = eS_{21.1}/eS_{20.1} - 1 = 27,00/28,70 - 1 = -0,06$$

$$res1_{22/21} = eS_{22.1}/eS_{21.1} - 1 = 25,30/27,00 - 1 = -0,06$$

$$res1_{23/22} = eS_{23.1}/eS_{22.1} - 1 = 23,60/25,30 - 1 = -0,06$$

$$res1_{24/23} = eS_{24.1}/eS_{23.1} - 1 = 21,90/23,60 - 1 = -0,07$$

$$res1_{25/24} = eS_{25.1}/eS_{24.1} - 1 = 20,18/21,90 - 1 = -0,08$$

$$res1_{26/25} = eS_{26.1}/eS_{25.1} - 1 = 18,46/20,18 - 1 = -0,09$$

$$res1_{27/26} = eS_{27.1}/eS_{26.1} - 1 = 18,21/18,46 - 1 = -0,01$$

$$res1_{28/27} = eS_{28.1}/eS_{27.1} - 1 = 17,96/18,21 - 1 = -0,01$$

$$res1_{29/28} = eS_{29.1}/eS_{28.1} - 1 = 17,71/17,96 - 1 = -0,01$$

$$res1_{30/29} = eS_{30.1}/eS_{29.1} - 1 = 17,46/17,71 - 1 = -0,01$$

$$res1_{31/30} = eS_{31.1}/eS_{30.1} - 1 = 17,21/17,46 - 1 = -0,01$$

## INTERPRETARE DATE INVESTIGATIE CLINICA BT-01

UTILIZAREA UNGUENT BIOTITUS® COMPRESA IMPREGNATA CU UNGUENT SI TUB CU UNGUENT BIOTITUS® IN TRATAMENTUL

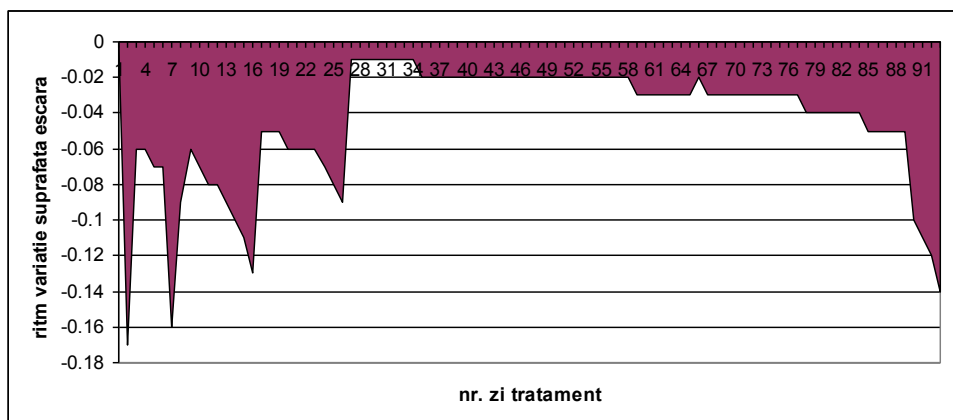
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<p>res1<sub>32/31</sub> = eS<sub>32.1</sub>/eS<sub>31.1</sub> - 1 = 16,96/17,21 - 1 = - 0,01</p> <p>res1<sub>33/32</sub> = eS<sub>33.1</sub>/eS<sub>32.1</sub> - 1 = 16,71/16,96 - 1 = - 0,01</p> <p>res1<sub>34/33</sub> = eS<sub>34.1</sub>/eS<sub>33.1</sub> - 1 = 16,46/16,71 - 1 = - 0,01</p> <p>res1<sub>35/34</sub> = eS<sub>35.1</sub>/eS<sub>34.1</sub> - 1 = 16,21/16,46 - 1 = - 0,02</p> <p>res1<sub>36/35</sub> = eS<sub>36.1</sub>/eS<sub>35.1</sub> - 1 = 15,96/16,21 - 1 = - 0,02</p> <p>res1<sub>37/36</sub> = eS<sub>37.1</sub>/eS<sub>36.1</sub> - 1 = 15,71/15,96 - 1 = - 0,02</p> <p>res1<sub>38/37</sub> = eS<sub>38.1</sub>/eS<sub>37.1</sub> - 1 = 15,46/15,71 - 1 = - 0,02</p> <p>res1<sub>39/38</sub> = eS<sub>39.1</sub>/eS<sub>38.1</sub> - 1 = 15,21/15,46 - 1 = - 0,02</p> <p>res1<sub>40/39</sub> = eS<sub>40.1</sub>/eS<sub>39.1</sub> - 1 = 14,96/15,21 - 1 = - 0,02</p> <p>res1<sub>41/40</sub> = eS<sub>41.1</sub>/eS<sub>40.1</sub> - 1 = 14,71/14,96 - 1 = - 0,02</p> <p>res1<sub>42/41</sub> = eS<sub>41.1</sub>/eS<sub>41.1</sub> - 1 = 14,46/14,71 - 1 = - 0,02</p> <p>res1<sub>43/42</sub> = eS<sub>43.1</sub>/eS<sub>42.1</sub> - 1 = 14,21/14,46 - 1 = - 0,02</p> <p>res1<sub>44/43</sub> = eS<sub>44.1</sub>/eS<sub>43.1</sub> - 1 = 13,94/14,21 - 1 = - 0,02</p> <p>res1<sub>45/44</sub> = eS<sub>45.1</sub>/eS<sub>44.1</sub> - 1 = 13,67/13,94 - 1 = - 0,02</p> <p>res1<sub>46/45</sub> = eS<sub>46.1</sub>/eS<sub>45.1</sub> - 1 = 13,41/13,67 - 1 = - 0,02</p> <p>res1<sub>47/46</sub> = eS<sub>47.1</sub>/eS<sub>46.1</sub> - 1 = 13,15/13,41 - 1 = - 0,02</p> <p>res1<sub>48/47</sub> = eS<sub>48.1</sub>/eS<sub>47.1</sub> - 1 = 12,89/13,15 - 1 = - 0,02</p> <p>res1<sub>49/48</sub> = eS<sub>49.1</sub>/eS<sub>48.1</sub> - 1 = 12,63/12,89 - 1 = - 0,02</p> <p>res1<sub>50/49</sub> = eS<sub>50.1</sub>/eS<sub>49.1</sub> - 1 = 12,37/12,63 - 1 = - 0,02</p> <p>res1<sub>51/50</sub> = eS<sub>51.1</sub>/eS<sub>50.1</sub> - 1 = 12,11/12,37 - 1 = - 0,02</p> <p>res1<sub>52/51</sub> = eS<sub>52.1</sub>/eS<sub>51.1</sub> - 1 = 11,85/12,11 - 1 = - 0,02</p> <p>res1<sub>53/52</sub> = eS<sub>53.1</sub>/eS<sub>52.1</sub> - 1 = 11,59/11,85 - 1 = - 0,02</p> <p>res1<sub>54/53</sub> = eS<sub>54.1</sub>/eS<sub>53.1</sub> - 1 = 11,33/11,59 - 1 = - 0,02</p>	<p>res1<sub>55/54</sub> = eS<sub>55.1</sub>/eS<sub>54.1</sub> - 1 = 11,07/11,33 - 1 = - 0,02</p> <p>res1<sub>56/55</sub> = eS<sub>56.1</sub>/eS<sub>55.1</sub> - 1 = 10,81/11,07 - 1 = - 0,02</p> <p>res1<sub>57/56</sub> = eS<sub>57.1</sub>/eS<sub>56.1</sub> - 1 = 10,55/10,81 - 1 = - 0,02</p> <p>res1<sub>58/57</sub> = eS<sub>58.1</sub>/eS<sub>57.1</sub> - 1 = 10,29/10,55 - 1 = - 0,02</p> <p>res1<sub>59/58</sub> = eS<sub>59.1</sub>/eS<sub>58.1</sub> - 1 = 10,03/10,29 - 1 = - 0,03</p> <p>res1<sub>60/59</sub> = eS<sub>60.1</sub>/eS<sub>59.1</sub> - 1 = 9,77/10,03 - 1 = - 0,03</p> <p>res1<sub>61/59</sub> = eS<sub>61.1</sub>/eS<sub>59.1</sub> - 1 = 9,51/9,77 - 1 = - 0,03</p> <p>res1<sub>62/61</sub> = eS<sub>62.1</sub>/eS<sub>61.1</sub> - 1 = 9,25/9,51 - 1 = - 0,03</p> <p>res1<sub>63/62</sub> = eS<sub>63.1</sub>/eS<sub>62.1</sub> - 1 = 8,99/9,25 - 1 = - 0,03</p> <p>res1<sub>64/63</sub> = eS<sub>64.1</sub>/eS<sub>63.1</sub> - 1 = 8,76/8,99 - 1 = - 0,03</p> <p>res1<sub>65/64</sub> = eS<sub>13.1</sub>/eS<sub>12.1</sub> - 1 = 8,52/8,76 - 1 = - 0,03</p> <p>res1<sub>66/65</sub> = eS<sub>66.1</sub>/eS<sub>65.1</sub> - 1 = 8,31/8,52 - 1 = - 0,02</p> <p>res1<sub>67/66</sub> = eS<sub>67.1</sub>/eS<sub>66.1</sub> - 1 = 8,10/8,31 - 1 = - 0,03</p> <p>res1<sub>68/67</sub> = eS<sub>68.1</sub>/eS<sub>67.1</sub> - 1 = 7,89/8,10 - 1 = - 0,03</p> <p>res1<sub>69/68</sub> = eS<sub>69.1</sub>/eS<sub>68.1</sub> - 1 = 7,68/7,89 - 1 = - 0,03</p> <p>res1<sub>70/69</sub> = eS<sub>70.1</sub>/eS<sub>69.1</sub> - 1 = 7,47/7,68 - 1 = - 0,03</p> <p>res1<sub>71/70</sub> = eS<sub>71.1</sub>/eS<sub>70.1</sub> - 1 = 7,26/7,47 - 1 = - 0,03</p> <p>res1<sub>72/71</sub> = eS<sub>72.1</sub>/eS<sub>71.1</sub> - 1 = 7,05/7,26 - 1 = - 0,03</p> <p>res1<sub>73/72</sub> = eS<sub>73.1</sub>/eS<sub>72.1</sub> - 1 = 6,84/7,05 - 1 = - 0,03</p> <p>res1<sub>74/73</sub> = eS<sub>74.1</sub>/eS<sub>73.1</sub> - 1 = 6,63/6,84 - 1 = - 0,03</p> <p>res1<sub>75/74</sub> = eS<sub>75.1</sub>/eS<sub>74.1</sub> - 1 = 6,42/6,63 - 1 = - 0,03</p> <p>res1<sub>76/75</sub> = eS<sub>76.1</sub>/eS<sub>75.1</sub> - 1 = 6,21/6,42 - 1 = - 0,03</p> <p>res1<sub>77/76</sub> = eS<sub>77.1</sub>/eS<sub>76.1</sub> - 1 = 6,00/6,21 - 1 = - 0,03</p> <p>res1<sub>78/77</sub> = eS<sub>78.1</sub>/eS<sub>77.1</sub> - 1 = 5,79/6,00 - 1 = - 0,04</p> <p>res1<sub>79/78</sub> = eS<sub>79.1</sub>/eS<sub>78.1</sub> - 1 = 5,58/5,79 - 1 = - 0,04</p> <p>res1<sub>80/79</sub> = eS<sub>80.1</sub>/eS<sub>79.1</sub> - 1 = 5,37/5,58 - 1 = - 0,04</p> <p>res1<sub>81/80</sub> = eS<sub>81.1</sub>/eS<sub>80.1</sub> - 1 = 5,16/5,37 - 1 = - 0,04</p> <p>res1<sub>82/81</sub> = eS<sub>82.1</sub>/eS<sub>81.1</sub> - 1 = 4,95/5,16 - 1 = - 0,04</p> <p>res1<sub>83/82</sub> = eS<sub>83.1</sub>/eS<sub>82.1</sub> - 1 = 4,74/4,95 - 1 = - 0,04</p> <p>res1<sub>84/83</sub> = eS<sub>84.1</sub>/eS<sub>83.1</sub> - 1 = 4,53/4,74 - 1 = - 0,04</p> <p>res1<sub>85/84</sub> = eS<sub>85.1</sub>/eS<sub>84.1</sub> - 1 = 4,32/4,53 - 1 = - 0,05</p> <p>res1<sub>86/85</sub> = eS<sub>86.1</sub>/eS<sub>85.1</sub> - 1 = 4,11/4,32 - 1 = - 0,05</p> <p>res1<sub>87/86</sub> = eS<sub>87.1</sub>/eS<sub>86.1</sub> - 1 = 3,90/4,11 - 1 = - 0,05</p> <p>res1<sub>88/87</sub> = eS<sub>88.1</sub>/eS<sub>87.1</sub> - 1 = 3,73/3,90 - 1 = - 0,05</p> <p>res1<sub>89/88</sub> = eS<sub>89.1</sub>/eS<sub>88.1</sub> - 1 = 3,55/3,73 - 1 = - 0,05</p> <p>res1<sub>90/89</sub> = eS<sub>90.1</sub>/eS<sub>89.1</sub> - 1 = 3,19/3,55 - 1 = - 0,10</p> <p>res1<sub>91/90</sub> = eS<sub>91.1</sub>/eS<sub>90.1</sub> - 1 = 2,83/3,19 - 1 = - 0,11</p> <p>res1<sub>92/91</sub> = eS<sub>92.1</sub>/eS<sub>91.1</sub> - 1 = 2,48/2,83 - 1 = - 0,12</p> <p>res1<sub>93/92</sub> = eS<sub>93.1</sub>/eS<sub>92.1</sub> - 1 = 2,13/2,48 - 1 = - 0,14</p>
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## 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. 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 [cm <sup>2</sup> ] ESCARA:										
Nr. subiect/ initialele	Examinarea nr.									
	eV <sub>0.1</sub>	eV <sub>1.1</sub>	eV <sub>2.1</sub>	eV <sub>3.1</sub>	eV <sub>4.1</sub>	eV <sub>5.1</sub>	eV <sub>6.1</sub>	eV <sub>7.1</sub>		
1/C.C.	0	1	2	3	4	5	6	7		
	127,51	127,51	106,20	69,65	65,00	48,90	37,00	34,83		
	Examinarea nr.									
	eV <sub>8.1</sub>	eV <sub>9.1</sub>	eV <sub>10.1</sub>	eV <sub>11.1</sub>	eV <sub>12.1</sub>	eV <sub>13.1</sub>				
	8	9	10	11	12	13				
	11,61	4,23	2,24	0,00	0,00	0,00				

$$p_{0.1} = 2,50 \text{ cm}, eV_{0.1} = 0,327 \times eS_{0.1} \times p_{0.1} = 0,327 \times 155,98 \times 2,50 = 127,51 \text{ cm}^3$$

$$p_{1.1} = 2,50 \text{ cm}, eV_{1.1} = 0,327 \times eS_{1.1} \times p_{1.1} = 0,327 \times 155,98 \times 2,50 = 127,51 \text{ cm}^3$$

$$p_{2.1} = 2,50 \text{ cm}, eV_{2.1} = 0,327 \times eS_{2.1} \times p_{2.1} = 0,327 \times 129,91 \times 2,50 = 106,20 \text{ cm}^3$$

$$p_{3.1} = 2,00 \text{ cm}, eV_{3.1} = 0,327 \times eS_{3.1} \times p_{3.1} = 0,327 \times 106,50 \times 2,00 = 69,65 \text{ cm}^3$$

$$p_{4.1} = 2,00 \text{ cm}, eV_{4.1} = 0,327 \times eS_{4.1} \times p_{4.1} = 0,327 \times 99,40 \times 2,00 = 65,00 \text{ cm}^3$$

$$p_{5.1} = 1,80 \text{ cm}, eV_{5.1} = 0,327 \times eS_{5.1} \times p_{5.1} = 0,327 \times 83,07 \times 1,80 = 48,90 \text{ cm}^3$$

$$p_{6.1} = 1,50 \text{ cm}, eV_{6.1} = 0,327 \times eS_{6.1} \times p_{6.1} = 0,327 \times 75,44 \times 1,50 = 37,00 \text{ cm}^3$$

$$p_{7.1} = 1,50 \text{ cm}, eV_{7.1} = 0,327 \times eS_{7.1} \times p_{7.1} = 0,327 \times 71,00 \times 1,50 = 34,83 \text{ cm}^3$$

$$p_{8.1} = 1,00 \text{ cm}, eV_{8.1} = 0,327 \times eS_{8.1} \times p_{8.1} = 0,327 \times 35,50 \times 1,00 = 11,61 \text{ cm}^3$$

$$p_{9.1} = 0,70 \text{ cm}, eV_{9.1} = 0,327 \times eS_{9.1} \times p_{9.1} = 0,327 \times 18,46 \times 0,70 = 4,23 \text{ cm}^3$$

$$p_{10.1} = 0,50 \text{ cm}, eV_{10.1} = 0,327 \times eS_{10.1} \times p_{10.1} = 0,327 \times 13,67 \times 0,50 = 2,24 \text{ cm}^3$$

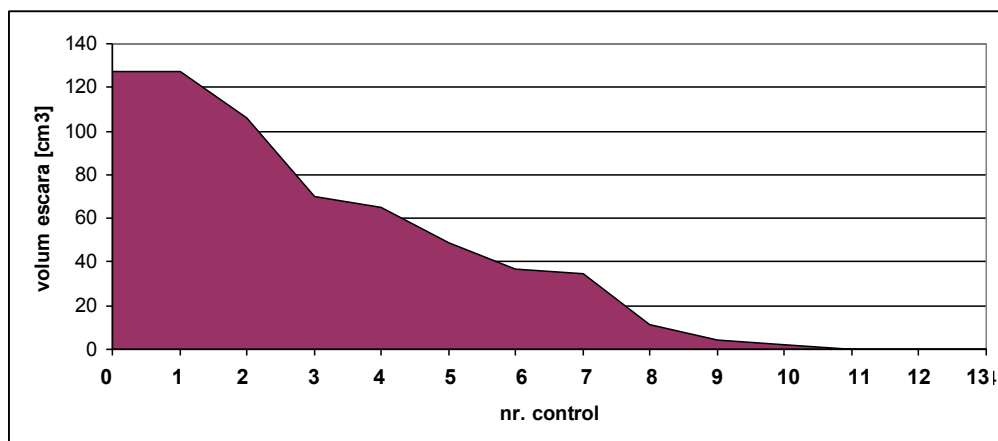
$$p_{11.1} = 0,00 \text{ cm}, eV_{11.1} = 0,327 \times eS_{11.1} \times p_{11.1} = 0,327 \times 8,52 \times 0,00 = 0,00 \text{ cm}^3$$

cum profunzimea escarei este nula, incepand cu controlul nr. 11, inclusiv, volumul acesteia este nul, escara prezentandu-se ca o plaga superficiala.

## 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



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

<b>VOLUMUL PLAGII IN FUNCTIE DE TIMP [zile de tratament] [cm<sup>2</sup>]</b>														
<b><u>ESCARA</u></b>														
Nr. subiect/ initialele 1/C.C.	eV <sub>0.1</sub>	eV <sub>1.1</sub>	eV <sub>2.1</sub>	eV <sub>3.1</sub>	eV <sub>4.1</sub>	eV <sub>5.1</sub>	eV <sub>6.1</sub>	eV <sub>7.1</sub>	eV <sub>8.1</sub>	eV <sub>9.1</sub>	eV <sub>10.1</sub>	eV <sub>11.1</sub>	eV <sub>12.1</sub>	eV <sub>13.1</sub>
	0	1	2	3	4	5	6	7	8	9	10	11	12	13
	127,51	127,51	106,20	94,12	81,89	69,65	65,00	48,90	37,00	34,83	31,51	28,19	24,87	21,55
	eV <sub>14.1</sub>	eV <sub>15.1</sub>	eV <sub>16.1</sub>	eV <sub>17.1</sub>	eV <sub>18.1</sub>	eV <sub>19.1</sub>	eV <sub>20.1</sub>	eV <sub>21.1</sub>	eV <sub>22.1</sub>	eV <sub>23.1</sub>	eV <sub>24.1</sub>	eV <sub>25.1</sub>	eV <sub>26.1</sub>	eV <sub>27.1</sub>
	14	15	16	17	18	19	20	21	22	23	24	25	26	27
	18,23	14,92	11,61	10,87	10,13	9,39	8,65	7,91	7,17	6,43	5,69	4,96	4,23	4,13
	eV <sub>28.1</sub>	eV <sub>29.1</sub>	eV <sub>30.1</sub>	eV <sub>31.1</sub>	eV <sub>32.1</sub>	eV <sub>33.1</sub>	eV <sub>34.1</sub>	eV <sub>35.1</sub>	eV <sub>36.1</sub>	eV <sub>37.1</sub>	eV <sub>38.1</sub>	eV <sub>39.1</sub>	eV <sub>40.1</sub>	eV <sub>41.1</sub>
	28	29	30	31	32	33	34	35	36	37	38	39	40	41
	4,03	3,93	3,83	3,73	3,63	3,53	3,43	3,33	3,23	3,13	3,03	2,93	2,83	2,73
	eV <sub>42.1</sub>	eV <sub>43.1</sub>	eV <sub>44.1</sub>	eV <sub>45.1</sub>	eV <sub>46.1</sub>	eV <sub>47.1</sub>	eV <sub>48.1</sub>	eV <sub>49.1</sub>	eV <sub>50.1</sub>	eV <sub>51.1</sub>	eV <sub>52.1</sub>	eV <sub>53.1</sub>	eV <sub>54.1</sub>	eV <sub>55.1</sub>
	42	43	44	45	46	47	48	49	50	51	52	53	54	55
	2,63	2,53	2,39	2,24	2,13	2,02	1,91	1,80	1,69	1,58	1,47	1,36	1,25	1,14
	eV <sub>56.1</sub>	eV <sub>57.1</sub>	eV <sub>58.1</sub>	eV <sub>59.1</sub>	eV <sub>60.1</sub>	eV <sub>61.1</sub>	eV <sub>62.1</sub>	eV <sub>63.1</sub>	eV <sub>64.1</sub>	eV <sub>65.1</sub>	eV <sub>66.1</sub>			
	56	57	58	59	60	61	62	63	64	65	66			
	1,03	0,92	0,81	0,70	0,59	0,48	0,37	0,26	0,13	0,00	0,00			

Rata de scadere a volumului escarei intre zilele 2 si 5 de tratament, este:

$$(eV_{2.1} - eV_{5.1})/3 = (106,20 - 69,65)/3 = 12,08 \text{ cm}^3$$

$$eV_{3.1} = eV_{2.1} - 12,08 = 106,20 - 12,08 = 94,12 \text{ cm}^3$$

$$eV_{4.1} = (eV_{3.1} + eV_{5.1})/2 = (94,12 + 69,65)/2 = 81,89 \text{ cm}^3$$

Rata de scadere a volumului escarei intre zilele 9 si 16 de tratament, este:

$$(eV_{9.1} - eV_{16.1})/7 = (34,83 - 11,61)/7 = 3,32 \text{ cm}^3$$

$$eV_{10.1} = eV_{9.1} - 3,32 = 34,83 - 3,32 = 31,51 \text{ cm}^3$$

$$eV_{11.1} = eV_{10.1} - 3,32 = 31,51 - 3,32 = 28,19 \text{ cm}^3$$

$$eV_{12.1} = eV_{11.1} - 3,32 = 28,19 - 3,32 = 24,87 \text{ cm}^3$$

$$eV_{13.1} = eV_{12.1} - 3,32 = 24,87 - 3,32 = 21,55 \text{ cm}^3$$

$$eV_{14.1} = eV_{13.1} - 3,32 = 21,55 - 3,32 = 18,23 \text{ cm}^3$$

$$eV_{15.1} = (eV_{14.1} + eV_{16.1})/2 = (18,23 + 11,61)/2 = 14,92 \text{ cm}^3$$

Rata de scadere a volumului escarei intre zilele 16 si 26 de tratament, este:

$$(eV_{16.1} - eV_{26.1})/10 = (11,61 - 4,23)/10 = 0,74 \text{ cm}^3$$

$$eV_{17.1} = eV_{16.1} - 0,74 = 11,61 - 0,74 = 10,87 \text{ cm}^3$$

$$eV_{18.1} = eV_{17.1} - 0,74 = 10,87 - 0,74 = 10,13 \text{ cm}^3$$

$$eV_{19.1} = eV_{18.1} - 0,74 = 10,13 - 0,74 = 9,39 \text{ cm}^3$$

$$eV_{20.1} = eV_{19.1} - 0,74 = 9,39 - 0,74 = 8,65 \text{ cm}^3$$

$$eV_{21.1} = eV_{20.1} - 0,74 = 8,65 - 0,74 = 7,91 \text{ cm}^3$$

$$eV_{22.1} = eV_{21.1} - 0,74 = 7,91 - 0,74 = 7,17 \text{ cm}^3$$

$$eV_{23.1} = eV_{22.1} - 0,74 = 7,17 - 0,74 = 6,43 \text{ cm}^3$$

$$eV_{24.1} = eV_{23.1} - 0,74 = 6,43 - 0,74 = 5,69 \text{ cm}^3$$

$$eV_{25.1} = (eV_{24.1} + eV_{26.1})/2 = (5,69 + 4,23)/2 = 4,96 \text{ cm}^3$$

Rata de scadere a volumului escarei intre zilele 26 si 45 de tratament, este:

$$(eV_{26.1} - eV_{45.1})/19 = (4,23 - 2,24)/19 = 0,10 \text{ cm}^3$$

$$eV_{27.1} = eV_{26.1} - 0,10 = 4,23 - 0,10 = 4,13 \text{ cm}^3$$

$$eV_{28.1} = eV_{27.1} - 0,10 = 4,13 - 0,10 = 4,03 \text{ cm}^3$$

$$eV_{29.1} = eV_{28.1} - 0,10 = 4,03 - 0,10 = 3,93 \text{ cm}^3$$

$$eV_{30.1} = eV_{29.1} - 0,10 = 3,93 - 0,10 = 3,83 \text{ cm}^3$$

$$eV_{31.1} = eV_{30.1} - 0,10 = 3,83 - 0,10 = 3,73 \text{ cm}^3$$

$$eV_{32.1} = eV_{31.1} - 0,10 = 3,73 - 0,10 = 3,63 \text{ cm}^3$$

$$eV_{33.1} = eV_{32.1} - 0,10 = 3,63 - 0,10 = 3,53 \text{ cm}^3$$

$$eV_{34.1} = eV_{33.1} - 0,10 = 3,53 - 0,10 = 3,43 \text{ cm}^3$$

$$eV_{35.1} = eV_{34.1} - 0,10 = 3,43 - 0,10 = 3,33 \text{ cm}^3$$

$$eV_{36.1} = eV_{35.1} - 0,10 = 3,33 - 0,10 = 3,23 \text{ cm}^3$$

$$eV_{37.1} = eV_{36.1} - 0,10 = 3,23 - 0,10 = 3,13 \text{ cm}^3$$



## INTERPRETARE DATE INVESTIGATIE CLINICA BT-01

UTILIZAREA UNGUENT BIOTITUS® COMPRESA IMPREGNATA CU UNGUENT SI TUB CU UNGUENT BIOTITUS® IN TRATAMENTUL

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$$\begin{aligned} eV_{38.1} &= eV_{37.1} - 0,10 = 3,13 - 0,10 = 3,03 \text{ cm}^3 \\ eV_{39.1} &= eV_{38.1} - 0,10 = 3,03 - 0,10 = 2,93 \text{ cm}^3 \\ eV_{40.1} &= eV_{39.1} - 0,10 = 2,93 - 0,10 = 2,83 \text{ cm}^3 \\ eV_{41.1} &= eV_{40.1} - 0,10 = 2,83 - 0,10 = 2,73 \text{ cm}^3 \\ eV_{42.1} &= eV_{41.1} - 0,10 = 2,73 - 0,10 = 2,63 \text{ cm}^3 \\ eV_{43.1} &= eV_{42.1} - 0,10 = 2,63 - 0,10 = 2,53 \text{ cm}^3 \\ eV_{44.1} &= (eV_{43.1} + eV_{45.1}) / 2 = (2,53 + 2,24) / 2 = 2,39 \text{ cm}^3 \end{aligned}$$

Rata de scadere a volumului escarei intre zilele 45 si 65 de tratament, este:

$$(eV_{45.1} - eV_{65.1}) / 20 = (2,24 - 0,00) / 20 = 0,11 \text{ cm}^3$$

$$eV_{46.1} = eV_{45.1} - 0,11 = 2,24 - 0,11 = 2,13 \text{ cm}^3$$

$$eV_{47.1} = eV_{46.1} - 0,11 = 2,13 - 0,11 = 2,02 \text{ cm}^3$$

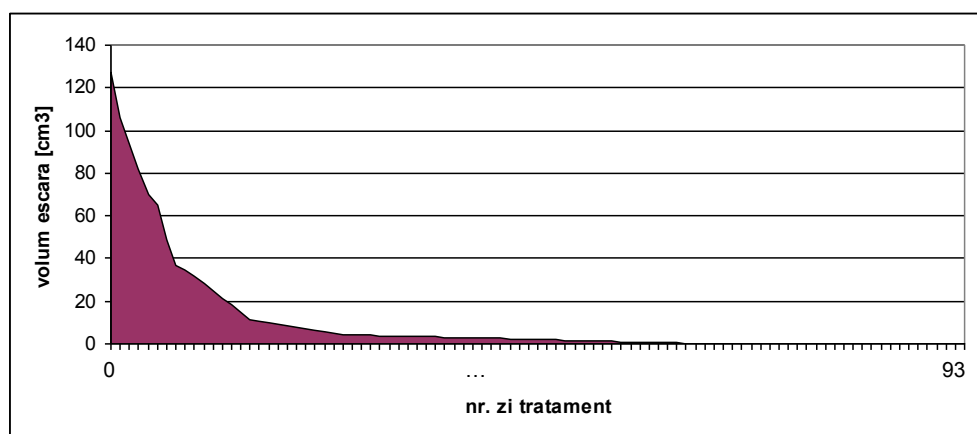
$$eV_{48.1} = eV_{47.1} - 0,11 = 2,02 - 0,11 = 1,91 \text{ cm}^3$$

$$eV_{49.1} = eV_{48.1} - 0,11 = 1,91 - 0,11 = 1,80 \text{ cm}^3$$

$$eV_{50.1} = eV_{49.1} - 0,11 = 1,80 - 0,11 = 1,69 \text{ cm}^3$$

incepand cu ziua 65 de tratament, volumul escarei a fost nul, aceasta luand aspectul unei plagi superficiale.

$$\begin{aligned} eV_{51.1} &= eV_{50.1} - 0,11 = 1,69 - 0,11 = 1,58 \text{ cm}^3 \\ eV_{52.1} &= eV_{51.1} - 0,11 = 1,58 - 0,11 = 1,47 \text{ cm}^3 \\ eV_{53.1} &= eV_{52.1} - 0,11 = 1,47 - 0,11 = 1,36 \text{ cm}^3 \\ eV_{54.1} &= eV_{53.1} - 0,11 = 1,36 - 0,11 = 1,25 \text{ cm}^3 \\ eV_{55.1} &= eV_{54.1} - 0,11 = 1,25 - 0,11 = 1,14 \text{ cm}^3 \\ eV_{56.1} &= eV_{55.1} - 0,11 = 1,14 - 0,11 = 1,03 \text{ cm}^3 \\ eV_{57.1} &= eV_{56.1} - 0,11 = 1,03 - 0,11 = 0,92 \text{ cm}^3 \\ eV_{58.1} &= eV_{57.1} - 0,11 = 0,92 - 0,11 = 0,81 \text{ cm}^3 \\ eV_{59.1} &= eV_{58.1} - 0,11 = 0,81 - 0,11 = 0,70 \text{ cm}^3 \\ eV_{60.1} &= eV_{59.1} - 0,11 = 0,70 - 0,11 = 0,59 \text{ cm}^3 \\ eV_{61.1} &= eV_{60.1} - 0,11 = 0,59 - 0,11 = 0,48 \text{ cm}^3 \\ eV_{62.1} &= eV_{61.1} - 0,11 = 0,48 - 0,11 = 0,37 \text{ cm}^3 \\ eV_{63.1} &= eV_{62.1} - 0,11 = 0,37 - 0,11 = 0,26 \text{ cm}^3 \\ eV_{64.1} &= (eV_{63.1} + eV_{65.1}) / 2 = (0,26 + 0,00) / 2 = 0,13 \text{ cm}^3 \end{aligned}$$



### 5.2.3. Ritmul de variatie a volumului escarei in functie de numarul controlului

Subiect nr.	rv1 1/0	rv1 2/1	rv1 3/2	rv1 4/3	rv1 5/4	rv1 6/5	rv1 7/6	rv1 8/7	rv1 9/8	rv1 10/9	rv1 11/10	rv1 12/11	rv1 13/12
1/C.C.	0,00	-0,17	-0,66	-0,07	-0,25	-0,24	-0,06	-0,66	-0,64	-0,47	-1,00	-1,00	-1,00

$$rev1_{1/0} = eV_{1.1} / eV_{0.1} - 1 = 127,51 / 127,51 - 1 = 0,00$$

$$rev1_{2/1} = eV_{2.1} / eV_{1.1} - 1 = 106,20 / 127,51 - 1 = -0,17$$

$$rev1_{3/2} = eV_{3.1} / eV_{2.1} - 1 = 69,65 / 106,20 - 1 = -0,66$$

$$rev1_{4/3} = eV_{4.1} / eV_{3.1} - 1 = 65,00 / 69,65 - 1 = -0,07$$

$$rev1_{5/4} = eV_{5.1} / eV_{4.1} - 1 = 48,90 / 65,00 - 1 = -0,25$$

$$rev1_{6/5} = eV_{6.1} / eV_{5.1} - 1 = 37,00 / 48,90 - 1 = -0,24$$

$$rev1_{7/6} = eV_{7.1} / eV_{6.1} - 1 = 34,83 / 37,00 - 1 = -0,06$$

$$rev1_{8/7} = eV_{8.1} / eV_{7.1} - 1 = 11,61 / 34,83 - 1 = -0,66$$

$$rev1_{9/8} = eV_{9.1} / eV_{8.1} - 1 = 4,23 / 11,61 - 1 = -0,64$$

$$rev1_{10/9} = eV_{10.1} / eV_{9.1} - 1 = 2,24 / 4,23 - 1 = -0,47$$

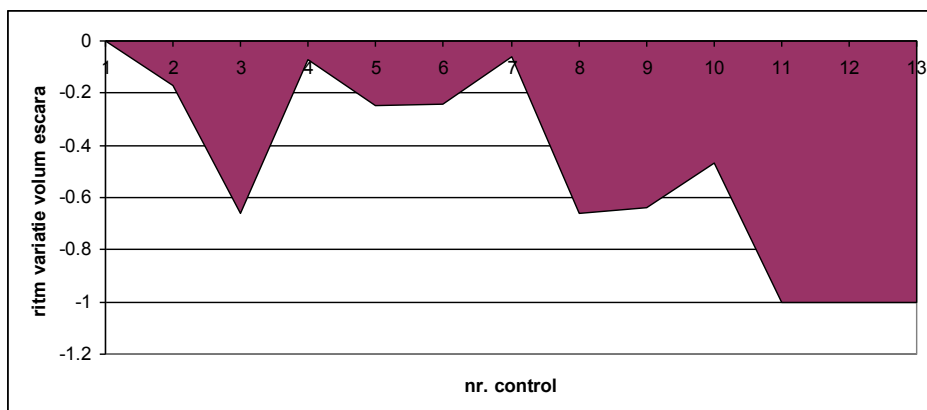
$$rev1_{11/10} = eV_{11.1} / eV_{10.1} - 1 = 0,00 / 2,24 - 1 = -1,00$$

urmatoarele ritmuri de variatie a volumului arsurii, sunt egale cu (-1), volumele corespunzatoare fiind nule.

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

Subiect nr.	rv1 1/0	rv1 2/1	rv1 3/2	rs1 4/3	rv1 5/4	rv1 6/5	rv1 7/6	rv1 8/7	rv1 9/8	rv1 10/9	rv1 11/10	rv1 12/11	rv1 13/12
1/C.C.	0,00	-0,17	-0,11	-0,13	-0,15	-0,07	-0,25	-0,24	-0,06	-0,10	-0,11	-0,12	-0,13
	rv1 14/13	rv1 15/14	rv1 16/15	rv1 17/16	rv1 18/17	rv1 19/18	rv1 20/21	rv1 21/20	rv1 22/21	rv1 23/22	rv1 24/23	rv1 25/24	rv1 26/25
	-0,15	-0,18	-0,22	-0,06	-0,07	-0,07	-0,08	-0,09	-0,09	-0,10	-0,12	-0,13	-0,15
	rv1 27/26	rv1 28/27	rv1 29/28	rv1 30/29	rv1 31/30	rv1 32/31	rv1 33/32	rv1 34/33	rv1 35/34	rv1 36/35	rv1 37/36	rv1 38/37	rv1 39/38
	-0,02	-0,02	-0,02	-0,03	-0,03	-0,03	-0,03	-0,03	-0,03	-0,03	-0,03	-0,03	-0,03
	rv1 40/39	rv1 41/40	rv1 42/39	rv1 43/42	rv1 44/43	rv1 45/44	rv1 46/45	rv1 47/46	rv1 48/47	rv1 49/48	rv1 50/49	rv1 51/50	rv1 52/51
	-0,03	-0,04	-0,04	-0,04	-0,06	-0,06	-0,05	-0,05	-0,05	-0,06	-0,06	-0,07	-0,07
	rv1 53/52	rv1 54/53	rv1 55/54	rv1 56/55	rv1 57/56	rv1 58/57	rv1 59/58	rv1 60/59	rv1 61/60	rv1 62/61	rv1 63/62	rv1 64/63	rv1 65/64
	-0,07	-0,08	-0,09	-0,10	-0,11	-0,12	-0,14	-0,16	-0,19	-0,23	-0,30	-0,50	-1,00

$$\begin{aligned} \text{rev1}_{1/0} &= eV_{1.1}/eV_{0.1} - 1 = 127,51/127,51 - 1 = 0,00 \\ \text{rev1}_{2/1} &= eV_{2.1}/eV_{1.1} - 1 = 106,20/127,51 - 1 = -0,17 \\ \text{rev1}_{3/2} &= eV_{3.1}/eV_{2.1} - 1 = 94,12/106,20 - 1 = -0,11 \\ \text{rev1}_{4/3} &= eV_{4.1}/eV_{3.1} - 1 = 81,89/94,12 - 1 = -0,13 \\ \text{rev1}_{5/4} &= eV_{5.1}/eV_{4.1} - 1 = 69,65/81,89 - 1 = -0,15 \\ \text{rev1}_{6/5} &= eV_{6.1}/eV_{5.1} - 1 = 65,00/69,65 - 1 = -0,07 \\ \text{rev1}_{7/6} &= eV_{7.1}/eV_{6.1} - 1 = 48,90/65,00 - 1 = -0,25 \\ \text{rev1}_{8/7} &= eV_{8.1}/eV_{7.1} - 1 = 37,00/48,90 - 1 = -0,24 \\ \text{rev1}_{9/8} &= eV_{9.1}/eV_{8.1} - 1 = 34,83/37,00 - 1 = -0,06 \\ \text{rev1}_{10/9} &= eV_{10.1}/eV_{9.1} - 1 = 31,51/34,83 - 1 = -0,10 \\ \text{rev1}_{11/10} &= eV_{11.1}/eV_{10.1} - 1 = 28,19/31,51 - 1 = -0,11 \\ \text{rev1}_{12/11} &= eV_{12.1}/eV_{11.1} - 1 = 24,87/28,19 - 1 = -0,12 \\ \text{rev1}_{13/12} &= eV_{13.1}/eV_{12.1} - 1 = 21,55/24,87 - 1 = -0,13 \\ \text{rev1}_{14/13} &= eV_{14.1}/eV_{13.1} - 1 = 18,23/21,55 - 1 = -0,15 \\ \text{rev1}_{15/14} &= eV_{15.1}/eV_{14.1} - 1 = 14,92/18,23 - 1 = -0,18 \end{aligned}$$

$$\begin{aligned} \text{rev1}_{16/15} &= eV_{16.1}/eV_{15.1} - 1 = 11,61/14,92 - 1 = -0,22 \\ \text{rev1}_{17/16} &= eV_{17.1}/eV_{16.1} - 1 = 10,87/11,61 - 1 = -0,06 \\ \text{rev1}_{18/17} &= eV_{18.1}/eV_{17.1} - 1 = 10,13/10,87 - 1 = -0,07 \\ \text{rev1}_{19/18} &= eV_{19.1}/eV_{18.1} - 1 = 9,39/10,13 - 1 = -0,07 \\ \text{rev1}_{20/19} &= eV_{20.1}/eV_{19.1} - 1 = 8,65/9,39 - 1 = -0,08 \\ \text{rev1}_{21/20} &= eV_{21.1}/eV_{20.1} - 1 = 7,91/8,65 - 1 = -0,09 \\ \text{rev1}_{22/21} &= eV_{22.1}/eV_{21.1} - 1 = 7,17/7,91 - 1 = -0,09 \\ \text{rev1}_{23/22} &= eV_{23.1}/eV_{22.1} - 1 = 6,43/7,17 - 1 = -0,10 \\ \text{rev1}_{24/23} &= eV_{24.1}/eV_{23.1} - 1 = 5,69/6,43 - 1 = -0,12 \\ \text{rev1}_{25/24} &= eV_{25.1}/eV_{24.1} - 1 = 4,96/5,69 - 1 = -0,13 \\ \text{rev1}_{26/25} &= eV_{26.1}/eV_{25.1} - 1 = 4,23/4,96 - 1 = -0,15 \\ \text{rev1}_{27/26} &= eV_{27.1}/eV_{26.1} - 1 = 4,13/4,23 - 1 = -0,02 \\ \text{rev1}_{28/27} &= eV_{28.1}/eV_{27.1} - 1 = 4,03/4,13 - 1 = -0,02 \\ \text{rev1}_{29/28} &= eV_{29.1}/eV_{28.1} - 1 = 3,93/4,03 - 1 = -0,02 \\ \text{rev1}_{30/29} &= eV_{30.1}/eV_{29.1} - 1 = 3,83/3,93 - 1 = -0,03 \\ \text{rev1}_{31/30} &= eV_{31.1}/eV_{30.1} - 1 = 3,73/3,83 - 1 = -0,03 \\ \text{rev1}_{32/31} &= eV_{32.1}/eV_{31.1} - 1 = 3,63/3,73 - 1 = -0,03 \end{aligned}$$

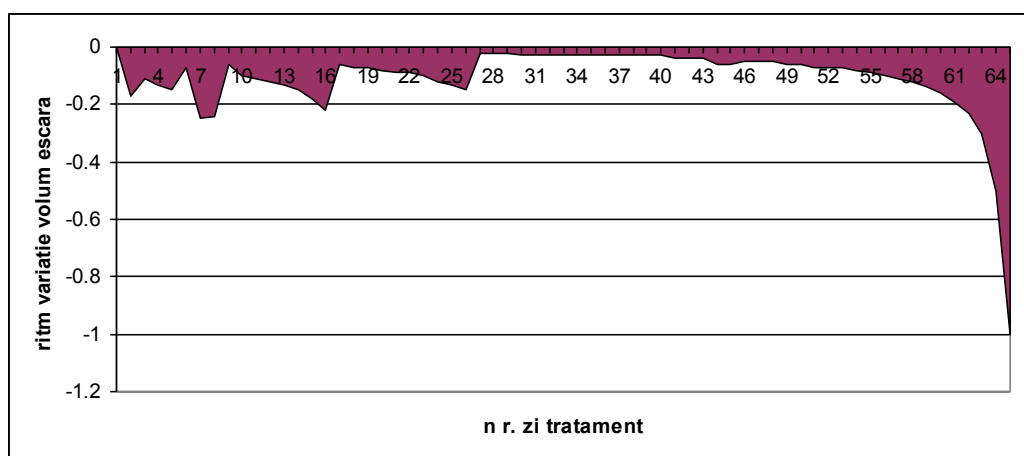
## INTERPRETARE DATE INVESTIGATIE CLINICA BT-01

UTILIZAREA UNGUENT BIOTITUS® COMPRESA IMPREGNATA CU UNGUENT SI TUB CU UNGUENT BIOTITUS® IN TRATAMENTUL

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

$rev1_{33/32} = eV_{33.1}/eV_{32.1} - 1 = 3,53/3,63 - 1 = -0,03$ $rev1_{34/33} = eV_{34.1}/eV_{33.1} - 1 = 3,43/3,53 - 1 = -0,03$ $rev1_{35/34} = eV_{35.1}/eV_{34.1} - 1 = 3,33/3,43 - 1 = -0,03$ $rev1_{36/35} = eV_{36.1}/eV_{35.1} - 1 = 3,23/3,33 - 1 = -0,03$ $rev1_{37/36} = eV_{37.1}/eV_{36.1} - 1 = 3,13/3,23 - 1 = -0,03$ $rev1_{38/37} = eV_{38.1}/eV_{37.1} - 1 = 3,03/3,13 - 1 = -0,03$ $rev1_{39/38} = eV_{39.1}/eV_{38.1} - 1 = 2,93/3,03 - 1 = -0,03$ $rev1_{40/39} = eV_{40.1}/eV_{39.1} - 1 = 2,83/2,93 - 1 = -0,03$ $rev1_{41/40} = eV_{41.1}/eV_{40.1} - 1 = 2,73/2,83 - 1 = -0,04$ $rev1_{42/41} = eV_{42.1}/eV_{41.1} - 1 = 2,63/2,73 - 1 = -0,04$ $rev1_{43/42} = eV_{43.1}/eV_{42.1} - 1 = 2,53/2,63 - 1 = -0,04$ $rev1_{44/43} = eV_{44.1}/eV_{43.1} - 1 = 2,39/2,53 - 1 = -0,06$ $rev1_{45/44} = eV_{45.1}/eV_{44.1} - 1 = 2,24/2,39 - 1 = -0,06$ $rev1_{46/45} = eV_{46.1}/eV_{45.1} - 1 = 2,13/2,24 - 1 = -0,05$ $rev1_{47/46} = eV_{47.1}/eV_{46.1} - 1 = 2,02/2,13 - 1 = -0,05$ $rev1_{48/47} = eV_{48.1}/eV_{47.1} - 1 = 1,91/2,02 - 1 = -0,05$ $rev1_{49/48} = eV_{49.1}/eV_{48.1} - 1 = 1,80/1,91 - 1 = -0,06$	$rev1_{50/49} = eV_{50.1}/eV_{49.1} - 1 = 1,69/1,80 - 1 = -0,06$ $rev1_{51/50} = eV_{51.1}/eV_{50.1} - 1 = 1,58/1,69 - 1 = -0,07$ $rev1_{52/51} = eV_{52.1}/eV_{51.1} - 1 = 1,47/1,58 - 1 = -0,07$ $rev1_{53/52} = eV_{53.1}/eV_{52.1} - 1 = 1,36/1,47 - 1 = -0,07$ $rev1_{54/53} = eV_{54.1}/eV_{53.1} - 1 = 1,25/1,36 - 1 = -0,08$ $rev1_{55/54} = eV_{55.1}/eV_{54.1} - 1 = 1,14/1,25 - 1 = -0,09$ $rev1_{56/55} = eV_{56.1}/eV_{55.1} - 1 = 1,03/1,14 - 1 = -0,10$ $rev1_{57/56} = eV_{57.1}/eV_{56.1} - 1 = 0,92/1,03 - 1 = -0,11$ $rev1_{58/57} = eV_{58.1}/eV_{57.1} - 1 = 0,81/0,92 - 1 = -0,12$ $rev1_{59/58} = eV_{59.1}/eV_{58.1} - 1 = 0,70/0,81 - 1 = -0,14$ $rev1_{60/59} = eV_{60.1}/eV_{59.1} - 1 = 0,59/0,70 - 1 = -0,16$ $rev1_{61/60} = eV_{61.1}/eV_{60.1} - 1 = 0,48/0,59 - 1 = -0,19$ $rev1_{62/61} = eV_{62.1}/eV_{61.1} - 1 = 0,37/0,48 - 1 = -0,23$ $rev1_{63/62} = eV_{63.1}/eV_{62.1} - 1 = 0,26/0,37 - 1 = -0,30$ $rev1_{64/63} = eV_{64.1}/eV_{63.1} - 1 = 0,13/0,26 - 1 = -0,50$ $rev1_{65/64} = eV_{65.1}/eV_{64.1} - 1 = 0,00/0,13 - 1 = -1,00$
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urmatoarele ritmuri de variatie a volumului arsurii, sunt egale cu (-1), volumele corespunzatoare fiind nule.



### 5.3. APRECIEREA COLORIMETRICA A ESCAREI:

#### 5.3.1. Aprecierea colorimetrica a escarei in functie de numarul controlului

Aprecierea colorimetrica a escarei s-a efectuat prin aprecierea procentajelor tipurilor de tesut din plaga, analizand fotografiile efectuate cu ocazia schimbarii pansamentului realizat cu UNGUENT BIOTITUS®.

Astfel:

Negrul – semnifica prezenta necrozei, neagra sau bruna, uscata sau umeda;

Galbenul – semnifica prezenta fibrinei;

Rosul – semnifica prezenta tesutului de granulat;

Rozul – semnifica epitelizarea.

	Procent			
Control nr. 0	20	20	40	20
Control nr. 1	5	5	70	20
Control nr. 2	2	20	58	20
Control nr. 3	20		60	20
Control nr. 4	18	60		22

## 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

Control nr. 5	15	63	22
Control nr. 6	15	60	25
Control nr. 7	15	60	25
Control nr. 8	13	62	25
Control nr. 9	5	68	27
Control nr. 10	5	65	30
Control nr. 11		65	35
Control nr. 12		45	55
Control nr. 13		35	65

### 5.3.2. Aprecierea colorimetrica a escarei in functie de timp [zile de tratament]

Nr. zi tratament	Procent tesut in plaga		
0	20	20	40
1	5	5	70
2	4,2	8,8	67
3	3,5	12,5	64
4	2,8	16,3	60,9
5	2	20	58
6			60
7		18	60
8		15	63
9			
10			
11			
12			
13			
14			
15		15	60
16			
17			
18			
19			
20			
21			
22			
23			
24			
25		15	60
26		14,9	60,1
27		14,79	60,21
28		14,68	60,32
29		14,57	60,43
30		14,46	60,54
31		14,35	60,65
32		14,24	60,76
33		14,13	60,87
34		14,01	60,99
35		13,90	61,1
36		13,79	61,21
37		13,68	61,32
38		13,57	61,43
39		13,46	61,54
40		13,35	61,65
41		13,24	61,76
42		13,13	61,87
43		13,01	61,99
44		13	62
45		12,6	62,3
46		12,2	62,6
47		11,8	62,9
48		11,4	63,2
49		11	63,5
50		10,6	63,8
51		10,2	64,1
52		9,8	64,4
53		9,4	64,7
54		9	65
55		8,6	65,3
56		8,2	65,6
57		7,8	65,9
58		7,4	66,2
59		7	66,5
60		6,6	66,8
61		6,2	67,1
62		5,8	67,4
63		5,4	67,7
64		5	68
65			67,88
66			67,76
67			67,64
68			67,52
69			67,4
70			67,28
71			67,16
72			67,04
73			66,92
74			66,8
75			66,67
76			66,54
77			66,41
78			66,28
79			66,15
80			66,02

## 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

81				65,89		29,11
82				65,76		29,24
83				65,64		29,36
84				65,52		29,48
85				65,4		29,6
86				65,28		29,72
87				65,16		29,84
88	5			65		30
89			57,5			42,3
90		45			55	
91		41,67			58,33	
92		38,34			61,66	
93		35			65	

Procentajele celor patru tipuri de tesut din plaga, in functie de numarul controlului si in functie de numarul zilei de tratament, sunt centralizate in tabelele de mai jos:

Subiect nr. 1/C.C.	Procentajele tipurilor de tesut din plaga [escara] in functie de numarul controlului			
	Negru [necroza]	Galben [fibrina]	Rosu [granulatie]	Roz [epitelizare]
Nr. control				
0	20	20	40	20
1	5	5	70	20
2	2	20	58	20
3	0	20	60	20
4	0	18	60	22
5	0	15	63	22
6	0	15	60	25
7	0	15	60	25
8	0	13	62	25
9	0	5	68	27
10	0	5	65	30
11	0	0	65	35
12	0	0	45	55
13	0	0	35	65

Subiect nr. 1/C.C.	Procentajele tipurilor de tesut din plaga [escara] in functie de numarul zilei de tratament			
	Negru [necroza]	Galben [fibrina]	Rosu [granulatie]	Roz [epitelizare]
Nr. zi				
0	20,00	20,00	40,00	20,00
1	5,00	5,00	70,00	20,00
2	4,20	8,80	67,00	20,00
3	3,50	12,50	64,00	20,00
4	2,80	16,30	60,90	20,00
5	2	20,00	58,00	20,00
6	0	20,00	60,00	20,00
7	0	18,00	60,00	22,00
8	0	15,00	63,00	22,00
9	0	15,00	63,00	22,40
10	0	15,00	63,00	22,90
11	0	15,00	63,00	23,30
12	0	15,00	63,00	23,70
13	0	15,00	63,00	24,10
14	0	15,00	63,00	24,60
15	0	15,00	60,00	25,00
16	0	15,00	60,00	25,00
17	0	15,00	60,00	25,00
18	0	15,00	60,00	25,00
19	0	15,00	60,00	25,00
20	0	15,00	60,00	25,00
21	0	15,00	60,00	25,00
22	0	15,00	60,00	25,00
23	0	15,00	60,00	25,00
24	0	15,00	60,00	25,00
25	0	15,00	60,00	25,00
26	0	14,90	60,10	25,00
27	0	14,79	60,21	25,00
28	0	14,68	60,32	25,00
29	0	14,57	60,43	25,00
30	0	14,46	60,54	25,00
31	0	14,35	60,65	25,00
32	0	14,24	60,76	25,00

## 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

Subiect nr. 1/C.C.	Procentajele tipurilor de tesut din plaga [escara] in functie de numarul zilei de tratament			
	Nr. zi	Negru [necroza]	Galben [fibrina]	Rosu [granulatie]
33	0	14,13	60,87	25,00
34	0	14,01	60,99	25,00
35	0	13,90	61,10	25,00
36	0	13,79	60,21	25,00
37	0	13,68	61,32	25,00
38	0	13,57	61,43	25,00
39	0	13,46	61,54	25,00
40	0	13,35	61,65	25,00
41	0	13,24	61,76	25,00
42	0	13,13	61,87	25,00
43	0	13,01	61,99	25,00
44	0	13,00	62,00	25,00
45	0	12,60	62,30	25,10
46	0	12,20	62,60	25,20
47	0	11,80	62,90	25,30
48	0	11,40	63,20	25,40
49	0	11,00	63,50	25,50
50	0	10,60	63,80	25,60
51	0	10,20	64,10	25,70
52	0	9,80	64,40	25,80
53	0	9,40	64,70	25,90
54	0	9,00	65,00	26,00
55	0	8,60	65,30	26,10
56	0	8,20	65,60	26,20
57	0	7,80	65,90	26,30
58	0	7,40	66,20	26,40
59	0	7,00	66,50	26,50
60	0	6,60	66,80	26,60
61	0	6,20	67,10	26,70
62	0	5,80	67,40	26,80
63	0	5,40	67,70	26,90
64	0	5,00	68,00	27,00
65	0	5,00	67,88	27,12
66	0	5,00	67,76	27,24
67	0	5,00	67,64	27,36
68	0	5,00	67,52	27,48
69	0	5,00	67,40	27,60
70	0	5,00	67,28	27,72
71	0	5,00	67,16	27,84
72	0	5,00	67,04	27,96
73	0	5,00	66,92	28,08
74	0	5,00	66,8	28,20
75	0	5,00	66,67	28,33
76	0	5,00	66,54	28,46
77	0	5,00	66,41	28,59
78	0	5,00	66,28	28,72
79	0	5,00	66,15	28,85
80	0	5,00	66,02	28,98
81	0	4,00	65,89	29,11
82	0	3,80	65,76	29,24
83	0	3,50	65,64	29,36
84	0	3,20	63,52	29,48
85	0	2,90	59,40	29,60
86	0	2,50	55,28	29,72
87	0	2,10	52,16	29,84
88	0	1,70	45,00	30,00
89	0	1,10	37,50	42,30
90	0	0,70	35,00	55,00
91	0	0,20	21,67	58,33
92	0	0,10	18,34	61,66
93	0	0,00	05,00	65,00

### 5.4. INFECTIA PLAGII (ESCAREI)

## 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

PREZENTA/ABSENTA INFECTIEI LOCALE A ESCAREI [da/nu]													
Nr. Subiect	Examinare												
	1	2	3	4	5	6	7	8	9	10	11	12	13
1/C.C.	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	
1/C.C.	0	0	0	0	0	0	0	0	0	0	0	0	0	0,00

Durerea medie resimtita de subiect la indepartarea de pe escara a pansamentului alcatuit cu UNGUENT BIOTITUS®, este:

$$(0 + .. + 0)/13 = 0,00$$

\* 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]
1/C.C.	NU	1,72	FU	FU	FB	absent

Durata medie de aplicare a pansamentului alcatuit cu UNGUENT BIOTITUS® este:  
 $dm = \text{nr. de zile de tratament} / \text{nr. de schimbari pansamente}$

din 08.02.2012 pana in 17.02.2012, pacienta a fost internata la sectia de neurologie, efectuandu-se 7 pansamente, in 10 zile de tratament

## 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

$$dm1 = 10/7 = 1,43 \text{ zile}$$

pana in 24.02.2012, s-a aplicat zilnic pansament pe escara, astfel:

$$dm2 = 7/7 = 1 \text{ zi}$$

pana in 07.05.2012, pansamentul a fost aplicat o data la doua zile, timp de 72 zile, astfel:

$$dm3 = 72/36 = 2 \text{ zile}$$

pana in 11.05.2012, pansamentul a fost aplicat zilnic, timp de 4 zile; astfel:

$$dm4 = 4/4 = 1 \text{ zi}$$

durata medie de aplicare a pansamentului este:

$$dm = 93/54 = 1,72 \text{ zile}$$

### 6.3. Evaluarea comparativa a costului tratamentului arsurilor cu produse traditionale si cu produsele UNGUENT BIOTITUS®

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

Data terminarii procedurilor: 16.05.2012 ora 12<sup>00</sup>

12.06.2012