

SÍNTOMAS

Average Rhino-conjunctivitis Total Symptomatic Score (ARTSS)

Average of the addition of 6 symptoms evaluated on a scale of 0 to 3



- > Sneezing
- > Runny nose
- > Itchy nose
- > Nasal congestion



- > Watery eyes
- > Itchy eyes

Average of Rescue medication score (ARMS)

RMS:
 Systemic corticosteroid = 3
 Nasal corticosteroid = 2
 AntiH1 = 1

J. Clark, R.Schall. Biostatistics, Quintiles.
 Assessment of combined symptom and medication scores for rhinoconjunctivitis immunotherapy clinical trials.
Allergy 2007; 62:1023-1028

- Average Rhinoconjunctivitis Total Symptom Score: **ARTSS**
- Average Rescue Medication Score: **ARMS**

- **Adjusted and Combined Scores:**
 - ARTSS (LOCF): Last observation carried forward: (se reemplaza por el día anterior)
 - ARTSS (WC): Worst Case: (se reemplaza por el máximo posible)
 - ACS: Average combined Score (WAO): Solución pragmática (ARTSS+ARMS):2

A2S2

PROPUESTA PARA INCLUIR LA MEDICACIÓN DE RESCATE

MEJORANDO EL CRITERIO PRINCIPAL DE EFICACIA

Patient	Day 18		Day 19		Day 20		Day 21	
	RTSS	ASS	RTSS	ASS	RTSS	ASS	RTSS	ASS
X	4							

Example : day 18, no Rescue medication

A2S2

PROPUESTA PARA INCLUIR LA MEDICACIÓN DE RESCATE

MEJORANDO EL CRITERIO PRINCIPAL DE EFICACIA

Patient	Day 18		Day 19		Day 20		Day 21	
	RTSS	ASS	RTSS	ASS	RTSS	ASS	RTSS	ASS
X	4	4						

Example : day 18, no Rescue medication

A2S2

PROPUESTA PARA INCLUIR LA MEDICACIÓN DE RESCATE

MEJORANDO EL CRITERIO PRINCIPAL DE EFICACIA

Patient	Day 18		Day 19		Day 20		Day 21	
	RTSS	ASS	RTSS	ASS	RTSS	ASS	RTSS	ASS
X	4	4	8					

Example : day 18, no Rescue medication

A2S2

PROPUESTA PARA INCLUIR LA MEDICACIÓN DE RESCATE

MEJORANDO EL CRITERIO PRINCIPAL DE EFICACIA

On a day of intake of rescue medication the adjusted symptom score is assigned the highest value on the intake day or the previous day.

Patient	Day 18		Day 19		Day 20		Day 21	
	RTSS	ASS	RTSS	ASS	RTSS	ASS	RTSS	ASS
X	4	4	8					

Example : day 18, no Rescue medication

A2S2

PROPUESTA PARA INCLUIR LA MEDICACIÓN DE RESCATE

MEJORANDO EL CRITERIO PRINCIPAL DE EFICACIA

. On a day of intake of rescue medication the adjusted symptom score is assigned the highest value on the intake day or the previous day.

Patient	Day 18		Day 19 RM intake		Day 20		Day 21	
	RTSS	ASS	RTSS	ASS	RTSS	ASS	RTSS	ASS
X	4	4	8	8				

Example : day 18, no Rescue medication

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A2S2

PROPUESTA PARA INCLUIR LA MEDICACIÓN DE RESCATE

MEJORANDO EL CRITERIO PRINCIPAL DE EFICACIA

. On a day of intake of rescue medication the adjusted symptom score is assigned the highest value on the intake day or the previous day.

. On the next day after with rescue medication intake, the same adjustment is applied the next day

Patient	Day 18		Day 19 RM intake		Day 20		Day 21	
	RTSS	ASS	RTSS	ASS	RTSS	ASS	RTSS	ASS
X	4	4	8	8	5			

Example : day 18, no Rescue medication

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A2S2

PROPUESTA PARA INCLUIR LA MEDICACIÓN DE RESCATE

MEJORANDO EL CRITERIO PRINCIPAL DE EFICACIA

. On a day of intake of rescue medication the adjusted symptom score is assigned the highest value on the intake day or the previous day.

. On the next day after with rescue medication intake, the same adjustment is applied the next day

Patient	Day 18		Day 19 RM intake		Day 20		Day 21	
	RTSS	ASS	RTSS	ASS	RTSS	ASS	RTSS	ASS
X	4	4	8	8	5	8		

Example : day 18, no Rescue medication

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A2S2

PROPUESTA PARA INCLUIR LA MEDICACIÓN DE RESCATE

MEJORANDO EL CRITERIO PRINCIPAL DE EFICACIA

. On a day of intake of rescue medication the adjusted symptom score is assigned the highest value on the intake day or the previous day.

. On the next day after with rescue medication intake, the same adjustment is applied the next day

Patient	Day 18		Day 19 RM intake		Day 20		Day 21	
	RTSS	ASS	RTSS	ASS	RTSS	ASS	RTSS	ASS
X	4	4	8	8	5	8	6	

Example : day 18, no Rescue medication

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A2S2

PROPUESTA PARA INCLUIR LA MEDICACIÓN DE RESCATE

MEJORANDO EL CRITERIO PRINCIPAL DE EFICACIA

. On a day of intake of rescue medication the adjusted symptom score is assigned the highest value on the intake day or the previous day.

. On the next day after with rescue medication intake, the same adjustment is applied the next day

Patient	Day 18		Day 19 RM intake		Day 20		Day 21	
	RTSS	ASS	RTSS	ASS	RTSS	ASS	RTSS	ASS
X	4	4	8	8	5	8	6	6

Example : day 18, no Rescue medication

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A2S2

AASS (Average Adjusted Symptom Score)

A way to take into account the impact of rescue medication on symptom scores.

The daily RTSS is adjusted by taking the maximum between the symptom score of the current day and the day before:

- ASS and RTSS are equal the first day of the pollen period : $ASS_1 = RTSS_1$
- If a patient does not take rescue medication at days $(d-1)$ and d then, $ASS_d = RTSS_d$
- If a patient takes rescue medication at day d then :
 - $ASS_d = \max(RTSS_d, ASS_{d-1})$
 - $ASS_{d+1} = \max(RTSS_{d+1}, ASS_d)$