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*Nombre del tema:* chi cuadrado

*Parcial:* IV

*Nombre de la Materia:* bioestadística

*Nombre del profesor:* Andrés Alejandro Reyes Molina

*Nombre de la Licenciatura:* Enfermería

*Cuatrimestre:* 4° "B"

*Comitán de Domínguez a 30 de noviembre 2023*

	Mucha reaccion	Poca reaccion	ninguna reaccion	Total
Paracetamol	23	5	25	53
Ibuprofeno	15	10	26	51
Metorolaco	10	3	30	43
Naproxeno	10	20	20	50
<b>Total</b>	<b>58</b>	<b>38</b>	<b>101</b>	<b>197</b>

$$23 \frac{53 \times 58}{197} = \frac{3074}{197} = 15.60$$

$$5 \frac{53 \times 38}{197} = \frac{2014}{197} = 10.22$$

$$15 \frac{51 \times 58}{197} = \frac{2958}{197} = 15.01$$

$$10 \frac{51 \times 38}{197} = \frac{1938}{197} = 9.83$$

$$10 \frac{43 \times 58}{197} = \frac{2494}{197} = 12.65$$

$$3 \frac{43 \times 38}{197} = \frac{1634}{197} = 8.29$$

$$11 \frac{50 \times 58}{197} = \frac{2900}{197} = 14.72$$

$$20 \frac{50 \times 38}{197} = \frac{1900}{197} = 9.64$$

$$25 \frac{53 \times 101}{197} = \frac{5353}{197} = 27.17$$

$$26 \frac{51 \times 101}{197} = \frac{5151}{197} = 26.14$$

$$30 \frac{43 \times 101}{197} = \frac{4343}{197} = 22.04$$

$$20 \frac{50 \times 101}{197} = \frac{5050}{197} = 25.63$$

$$= \frac{(23-15.60)^2}{15.60} + \frac{(15-15.01)^2}{15.01} + \frac{(10-12.65)^2}{12.65} + \frac{(11-14.72)^2}{14.72} + \frac{(5-10.22)^2}{10.22} + \frac{(10-9.83)^2}{9.83}$$

$$+ \frac{(3-8.29)^2}{8.29} + \frac{(20-9.64)^2}{9.64} + \frac{(25-27.17)^2}{27.17} + \frac{(26-26.14)^2}{26.14} + \frac{(30-22.04)^2}{22.04} + \frac{(20-25.63)^2}{25.63}$$

$$= 3.51 + 6.66 + 0.55 + 0.94 + 2.66 + 2.93 + 3.37 + 11.13 + 0.17 + 7.49 + 2.87 + 1.23 = 43.51$$

$$\chi^2 = 43.51$$

$$g1 = 0,05$$

$$v = 6$$

$$(4-1) \cdot (3-1) =$$

$$3 \cdot 2 = 6$$

$$6, 0,05$$

$$t_{\text{tabla}}: 12,592.$$

$$H_1 = 12,592 > 43.51$$

No depende el medicamento para la reacción.