The **MOdified NARanjo Causality Scale for ICSRs (MONARCSI)**: A Decision Support Tool for Safety Scientists

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**Online Resource 11** Exploratory analysis of MONARCSI confirmatory (a,b) and dis-confirmatory (c,d) aggregate feature weights versus therapeutic area and geographical region

a. 1-Way ANOVA for confirmatory ICSR feature weights versus therapeutic area

| Source               | DF  | Sum of Squares | Mean Square | F Ratio | Prob > F |
|----------------------|-----|----------------|-------------|---------|----------|
| Therapeutic Area     | 3   | 0.67           | 0.22        | 1.25    | 0.30     |
| Error                | 61  | 10.94          | 0.18        |         |          |
| Total                | 64  | 11.61          |             |         |          |

b. 1-Way ANOVA for confirmatory ICSR feature weights versus geographic region

| Source               | DF  | Sum of Squares | Mean Square | F Ratio | Prob > F |
|----------------------|-----|----------------|-------------|---------|----------|
| Geographic Region    | 2   | 0.14           | 0.07        | 0.38    | 0.68     |
| Error                | 62  | 11.47          | 0.19        |         |          |
| Total                | 64  |                |             |         |          |

c. 1-Way ANOVA for dis-confirmatory ICSR feature weights versus therapeutic area

| Source               | DF  | Sum of Squares | Mean Square | F Ratio | Prob > F |
|----------------------|-----|----------------|-------------|---------|----------|
| Therapeutic Area     | 3   | 1.72           | 0.57        | 1.76    | 0.16     |
| Error                | 61  | 19.90          | 0.33        |         |          |
| Total                | 64  | 21.62          |             |         |          |

d. 1-Way ANOVA for dis-confirmatory ICSR feature weights versus geographic region

| Source               | DF  | Sum of Squares | Mean Square | F Ratio | Prob > F |
|----------------------|-----|----------------|-------------|---------|----------|
| Geographic Region    | 2   | 0.42           | 0.21        | 0.61    | 0.55     |
| Error                | 62  | 21.20          | 0.34        |         |          |
| Total                | 64  | 21.62          |             |         |          |