

|                                                                                                                                                                              |             |             |                         |                                                 |                                |                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------------------|-------------------------------------------------|--------------------------------|------------------------------------------------------------------|
|                                                                                                                                                                              | Yes         | No          |                         |                                                 | Positive testimony             | Negative/Neutral (Y)                                             |
| Conflict of interest?                                                                                                                                                        | 35          | 53          |                         |                                                 | 30/35 w/ COI<br>29/53 w/o FCOI | 5 (2 neg, 3 neutral) w/ FCOI<br>24 (11 neg, 13 neutral) w/o FCOI |
| Positive testimony?                                                                                                                                                          | 30          | 29          |                         |                                                 |                                |                                                                  |
|                                                                                                                                                                              |             |             |                         |                                                 |                                |                                                                  |
|                                                                                                                                                                              |             |             |                         |                                                 |                                |                                                                  |
| Have the Disease or taken the drug? (r                                                                                                                                       | 31          | 57          | 29                      | 2 (1 neg, 1 neutral)                            |                                |                                                                  |
| Positive testimony?                                                                                                                                                          |             |             |                         |                                                 |                                |                                                                  |
|                                                                                                                                                                              |             |             |                         |                                                 |                                |                                                                  |
|                                                                                                                                                                              |             |             |                         |                                                 |                                |                                                                  |
|                                                                                                                                                                              | P testimony | N testimony |                         |                                                 |                                |                                                                  |
| COI? (n= 35)                                                                                                                                                                 | 30          | 5           |                         | Odds ratio                                      | 4.9655                         |                                                                  |
| NO COI? (n=53)                                                                                                                                                               | 29          | 24          | OR (30/29)/(5/24)= 4.96 | 95 % CI:                                        | 1.6689 to 14.7743              |                                                                  |
|                                                                                                                                                                              |             |             |                         | z statistic                                     | 2.881                          |                                                                  |
|                                                                                                                                                                              |             |             |                         | Significance level                              | P = 0.0040                     |                                                                  |
|                                                                                                                                                                              |             |             |                         |                                                 |                                |                                                                  |
|                                                                                                                                                                              |             |             |                         |                                                 |                                |                                                                  |
|                                                                                                                                                                              |             |             |                         |                                                 |                                |                                                                  |
|                                                                                                                                                                              |             |             |                         |                                                 |                                |                                                                  |
| Questions to Answer                                                                                                                                                          |             |             |                         |                                                 |                                |                                                                  |
| Those who disclosed a COI were ____ times more likely to give a positive statement than those who did not (OR, CI, and P value)                                              |             |             |                         |                                                 |                                |                                                                  |
| Speakers who had the disorder were ____ times more likely to give a positive testimony than those without the disorder (OR, CI, P value)                                     |             |             |                         |                                                 |                                |                                                                  |
| Speakers who took the drug were ____ times more likely to give a positive statement- should be that they were not more likely to give a positive statement (OR, CI, P value) |             |             |                         |                                                 |                                |                                                                  |
| Are meetings with conflicted speakers associated with drug approval                                                                                                          |             |             |                         |                                                 |                                |                                                                  |
| Were meetings with more speakers more likely to have drug approval                                                                                                           |             |             |                         |                                                 |                                |                                                                  |
|                                                                                                                                                                              |             |             |                         |                                                 |                                |                                                                  |
|                                                                                                                                                                              |             |             |                         |                                                 |                                |                                                                  |
| le do they have a conflict of interest? Yes or no                                                                                                                            |             |             |                         | 35 have COI                                     |                                |                                                                  |
| If yes, what percentage/number gave a positive statement                                                                                                                     |             |             |                         | 30 made P statement                             | 30/35= 85.7 %                  |                                                                  |
| Number without COI                                                                                                                                                           |             |             |                         | 53                                              |                                |                                                                  |
| If they did not have a COI, what percentage/number gave a positive statement                                                                                                 |             |             |                         | 29                                              | 29/53= 54.7%                   |                                                                  |
| OR = (yes COI/ # positives) // (no COI/ # positives)                                                                                                                         |             |             |                         | (35/30)/(53/29)                                 |                                | 1590/1015= 1.57                                                  |
|                                                                                                                                                                              | P testimony | N testimony |                         |                                                 |                                |                                                                  |
| Took the drug? (n=15)                                                                                                                                                        | 15          | 0           |                         |                                                 |                                |                                                                  |
| Did not take drug? (n=73)                                                                                                                                                    | 44          | 29          |                         | All patients who took the drug spoke positively |                                |                                                                  |
|                                                                                                                                                                              |             |             |                         |                                                 |                                |                                                                  |
|                                                                                                                                                                              |             |             |                         |                                                 |                                |                                                                  |
|                                                                                                                                                                              | P testimony | N testimony |                         | Odds ratio                                      | 13.05                          |                                                                  |

|                                                                                                             |             |             |                            |                    |                    |  |  |
|-------------------------------------------------------------------------------------------------------------|-------------|-------------|----------------------------|--------------------|--------------------|--|--|
| Had disease or taken drug? (n=31)                                                                           | 29          | 2           |                            | 95 % CI:           | 2.8418 to 59.9269  |  |  |
| Did not have disease or taken drug? (n                                                                      | 30          | 27          | OR= (29/30)/(2/27) = 13.05 | z statistic        | 3.303              |  |  |
|                                                                                                             |             |             |                            | Significance level | P = 0.0010         |  |  |
| Different from previous papers where people with disease were not more likely to provide positive testimony |             |             |                            |                    |                    |  |  |
| Are meetings with COI speakers associated with drug approval                                                |             |             |                            |                    |                    |  |  |
| # meetings with conflicted speakers                                                                         | 13          |             |                            |                    |                    |  |  |
| # meetings without conflicted speakers                                                                      | 7           |             |                            |                    |                    |  |  |
|                                                                                                             |             |             |                            |                    |                    |  |  |
|                                                                                                             | Approval    | No approval |                            | Odds ratio         | 2.1333             |  |  |
| Had COI speaker at meeting                                                                                  | 8           | 5           |                            | 95 % CI:           | 0.3295 to 13.8142  |  |  |
| No conflicted speaker                                                                                       | 3           | 4           | OR= (8/3)/(5/4)= 2.133     | z statistic        | 0.795              |  |  |
|                                                                                                             |             |             |                            | Significance level | P = 0.4266         |  |  |
|                                                                                                             |             |             |                            |                    |                    |  |  |
|                                                                                                             |             |             |                            |                    |                    |  |  |
| Were meetings with more speakers (ie >1) with COI more likely to have drug approval?                        |             |             |                            |                    |                    |  |  |
| # with >1 speaker                                                                                           | 6           |             |                            |                    |                    |  |  |
| # with 1 or less speakers                                                                                   | 7           |             |                            |                    |                    |  |  |
|                                                                                                             |             |             |                            |                    |                    |  |  |
|                                                                                                             | Approved    | No approval |                            | Odds ratio         | 1.5                |  |  |
| Had >1 speaker                                                                                              | 4           | 2           |                            | 95 % CI:           | 0.1560 to 14.4209  |  |  |
| Had 1 or less speakers                                                                                      | 4           | 3           | OR= (4/4)/(2/3)= 1.5       | z statistic        | 0.351              |  |  |
|                                                                                                             |             |             |                            | Significance level | P = 0.7255         |  |  |
|                                                                                                             |             |             |                            |                    |                    |  |  |
|                                                                                                             | Approved    | No approval |                            | Odds ratio         | 1.3333             |  |  |
| Had >2 speakers                                                                                             | 2           | 1           |                            | 95 % CI:           | 0.0884 to 20.1092  |  |  |
| Had 2 or less speakers                                                                                      | 6           | 4           |                            | z statistic        | 0.208              |  |  |
|                                                                                                             |             |             |                            | Significance level | P = 0.8354         |  |  |
| Mean speakers = 4.4                                                                                         |             |             |                            |                    |                    |  |  |
|                                                                                                             | Approved    | No approval |                            | Odds ratio         | 1.3125             |  |  |
| Above mean number speakers                                                                                  | 3           | 2           |                            | 95 % CI:           | 0.1678 to 10.2647  |  |  |
| Below mean number speakers                                                                                  | 8           | 7           |                            | z statistic        | 0.259              |  |  |
|                                                                                                             |             |             |                            | Significance level | P = 0.7955         |  |  |
|                                                                                                             |             |             |                            |                    |                    |  |  |
|                                                                                                             | P testimony | N testimony |                            | Odds ratio         | 37.3729            |  |  |
| Given food/transportation                                                                                   | 22          | 0           |                            | 95 % CI:           | 2.1548 to 648.1890 |  |  |
| No COI                                                                                                      | 29          | 24          |                            | z statistic        | 2.487              |  |  |
|                                                                                                             |             |             |                            | Significance level | P = 0.0129         |  |  |