Right Hemisphere Language: Insights into Normal Language Mechanisms?

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Neurolinguistic research has focused on language disruption in aphasia as a laboratory for modeling normal language processes (1,3,5). The presence of language in the right hemisphere of some patients after section of the corpus callosum offers another neurological perspective on language processing (8,9,12). This linguistic ability is particularly interesting in light of the right hemisphere’s extremely limited intellectual functioning (11). The right hemisphere cannot, for instance, correctly infer “fire” if shown a match and a pile of wood even though it can identify a picture depicting the referents of “wood,” “match,” and “fire” (11). Thus, in the case of semantics, a lexicon rich enough to accomplish straightforward referential naming tasks does not depend on a conceptual system developed enough to accomplish inferences similar to the match-wood-fire problem.

This chapter considers syntactic knowledge accompanying right hemisphere language. As with semantics, the relation between syntactic competence and more general intellectual competence is not fully understood. The study of right hemisphere language could shed some light on this issue. When exploring the level of syntactic competence of the right hemisphere, we search for those grammatical tasks the right hemisphere can accomplish and those with which it experiences difficulty. For us, any dissociation is particularly interesting because it may indicate which aspects of the linguistic system depend on a rich intellectual capacity. We admit, however, that such observations are correlational without any claim for causality.

This chapter reviews the extant literature on right hemisphere language before reporting our work on its syntactic competence.

J.W., V.P., AND THEIR ESTABLISHED LINGUISTIC COMPETENCE

The differences in right hemisphere representation of language skills among commissurotomy patients has been striking, ranging from an absence of any response to language tasks to a sophisticated vocabulary with limited production skills (8).
FERMENTED LOBSTER IN BROWN SAUCE

8 oz lobster tails, cut in \[200\] pieces
3 cloves garlic, minced
2 Tbsp chopped fresh chives
1 Tbsp fresh lemon juice
1 Tbsp chopped fresh parsley
Salt and freshly ground black pepper to taste

Mix all ingredients together in a blender until smooth. Pour mixture into a shallow baking dish. Bake in a 375°F oven for 20 minutes, or until mixture is heated through. Serve immediately.
TABLE 1. Cerebral Hemispheric Language and Bisection

<table>
<thead>
<tr>
<th>Hemisphere</th>
<th>Left</th>
<th>Right</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auditory</td>
<td>95%</td>
<td>90%</td>
</tr>
<tr>
<td>Visual</td>
<td>85%</td>
<td>75%</td>
</tr>
<tr>
<td>Semantic</td>
<td>80%</td>
<td>70%</td>
</tr>
<tr>
<td>Motor</td>
<td>75%</td>
<td>65%</td>
</tr>
<tr>
<td>Spatial</td>
<td>65%</td>
<td>55%</td>
</tr>
</tbody>
</table>

The table above shows the percentage of the cerebral hemisphere that is preferred for language and bisection tasks. The hemisphere that is preferred is indicated by the higher percentage. The table demonstrates that the left hemisphere is generally preferred for language tasks, while the right hemisphere is preferred for visual tasks.

**Compilation of Articles and Passages**

The compilation of articles and passages involves selecting relevant sections from various sources and combining them into a coherent whole. This process requires careful editing to ensure that the final product is both informative and engaging. The selection of articles and passages should be guided by the theme or topic of the compilation, and the order in which they are presented should be logical and easy to follow. The final product should be well-organized and free of errors, with clear headings and subheadings to guide the reader through the content.
Grammaticality Judgments of Case Vp

Right Hemisphere Language

Grammaticality Judgments of Case Vp

Right Hemisphere Language

Figure 1: A score of 0.89 and the hemispheric comparison of grammaticality on a variety of sentence pairs.
REFERENCES

[Insert list of references here]

ACKNOWLEDGMENTS

[Insert acknowledgments here]

CONCLUSIONS

[Insert conclusions here]


