

## STRENGTH OF COUNTERFACTUALITY & PRESUPPOSITIONS OF TENSE PRONOUNS

**INTRODUCTION.** The term counterfactual (CF) conditionals is misleading, as the same structure can also have a Future Less Vivid interpretation (Iatridou, 2000, 2009), shown in (1). They can also be used as part of reasoning for the truth of the antecedent (2).

(1) *Context: John is not a romantic person. It's unlikely that he'll buy flowers for Mary.*

If John gave flowers to Mary tomorrow, she would be pleased.

(2) If the patient had the measles, he would have exactly the symptoms he has now.

✓We conclude, therefore, that the patient has the measles.

✓But we know that he doesn't have the measles. Anderson (1951)

There is an important generalization made by Nevins (2002) that the counterfactuality of antecedents of CF conditionals in languages that lack a specialized CF marker and only use their TAM morphemes to mark counterfactuality is cancelable.

**PROBLEM.** Farsi breaks this generalization. Farsi uses past tense to express counterfactuality. However, the counterfactuality of antecedents of Farsi CF conditionals is **not** cancelable. A conditional about the future which is still realizable, no matter how unlikely it is, can only be expressed using the subjunctive form (3a). A CF form (3b) is only acceptable in a context where we *know* that John will not give flowers to Mary, for instance because he's dead.

(3) a. agar John farda be Mary gol be-dah-ad, Mary xošhal mi-šav-∅-ad  
if John tomorrow to Mary flower SUBJ-give-3SG Mary happy IMPF-become-PRES-3sg  
'If John gave flowers to Mary tomorrow, she would be pleased.'

b. # agar John f. be Mary gol mi-daad, Mary xošhal mi-šod  
if John t. to Mary flower IMPF-give.PST.3SG Mary happy IMPF-become.PST.3sg  
'If John had given flowers to Mary tomorrow, she would have been pleased.'

Anderson-type examples in Farsi cannot be uttered with a CF conditional. To express the meaning of (4a), Farsi uses the perfect subjunctive (4b).

(4) a. agar بیمار سوزاک گرفته بود, دغیغان این الایم-ی که الان نشان  
if patient measles catch-PP AUX.PST.3SG exactly this symptoms-INDF that now show  
mi-dah-∅-ad ra neshan mi-daad.  
IMPF-give-PRES-3.SG RA show IMPF-give-PST-3.SG

'If the patient had the measles, he would have exactly the symptoms he has now.'

✗We conclude, therefore, that the patient has the measles.

✓But we know that he doesn't have the measles.

b. agar بیمار سوزاک گرفته باش-اد, دغیغان این الایم-ی که الان نشان  
if patient measles catch-PP AUX.SUBJ-3SG exactly this symptoms-INDF that now show  
mi-dah-∅-ad ra neshan mi-dah-∅-ad  
IMPF-give-PRES-3.SG RA show IMPF-give-PRES-3.SG

'If the patient had the measles, he would have exactly the symptoms he has now.'

✓We conclude, therefore, that the patient has the measles.

✗But we know that he doesn't have the measles.

In the light of the new data from Farsi, this paper addresses the following question: *What linguistic factors determine the strength of counterfactuality in conditionals cross-linguistically?*

**CONDITIONALS IN FARSI.** Like many languages, Farsi distinguishes among different kinds of conditionals via a combination of Tense/Aspect/Mood morphology in the antecedent of conditionals. It is the aspect that is responsible for manipulating the temporal location of the antecedent situations. The imperfective aspect refers to present and future events. The perfect aspect refers to past events. Tense seems to mark the conditional's relationship to the presuppositions of the common ground (CG). Conditionals whose antecedents are marked with the present tense yield a factual interpretation. A factual conditional is assertable only if the antecedent is presupposed to be true (usually by someone other than the speaker (Bhatt &

