



The past marker can combine with a verb stem bearing a verb marker, and in these cases, the past infix lodges linearly between the verb root and the verb marker, as in (6a–b) with the verbs of (5).

(6) a. *m-il-lim* ‘drank’ ( [ *il* [<sub>STEM</sub> *mə-lim* ] ] )    b. *o-il-siik* ‘looked for’ ( [ *il* [<sub>STEM</sub> *o-siik* ] ] )

Notice that allomorphy of the verb marker (*m(ə)-/o-*) persists across the linearly-intervening infix. A comparable case is found in Turoyo (Neo-Aramaic; Kalin 2018, who draws on Jastrow 1993), where even phonologically-conditioned suppletive allomorphy persists across an infix.

**3. Proposed universals:** While the sample size is small, striking generalizations emerge from my survey, which I formulate as four (of course tentative) universals in (7a–d), each followed (in square brackets) by what I take to be the implications for a working model of the grammar.

- (7) a. When a morpheme has multiple allomorphs, at least one of which is infixal, all the allomorphs orient with respect to the same edge of the stem.<sup>1,2</sup> (see, e.g., (3))  
 [= Linearization of an affix (as preceding or following the stem it combines with) precedes both allomorph choice and infixation (displacement of an infix into the stem) of the affix.]
- b. Infixes never supplete based on their surface (infix) environment.  
 [= Allomorph choice for an infix precedes infixation of the infix.]
- c. Allomorphy within the stem an infix combines with (both suppletive allomorphy and morphophonological<sup>3</sup> allomorphy) is *unaffected* by the infix. (see, e.g., (6))  
 [= Allomorph choice within the stem an infix combines with precedes infixation of the infix.]
- d. Surface phonology within the stem an infix combines with is *affected* by the infix.<sup>4</sup>  
 [= Infixation of an infix precedes surface-level phonological processes.]

**4. Implications:** The supported derivational ordering after structure-building is as follows:

- (8) a. *Go to the most embedded unexponented morpheme*
- b. Apply a cycle of morphology and morphophonology
- (i) Linear concatenation of morpheme with stem (if not the most deeply embedded)
- (ii) Exponent choice for the morpheme (including conditioned forms)
- (iii) Linear displacement of morpheme into stem (if it’s an infixal exponent)
- (iv) Morphophonological processes
- c. *Repeat the cycle above for all morphemes in domain, then continue*
- d. Apply surface phonology (over the whole domain)

The model in (8) is *cyclic*, *serial*, and *realizational*. It crucially separates stem-level linearization (step b-i) from intra-stem linearization (infixation, step b-iii), as well as separating exponent choice (step b-ii) from infixation (step b-iii), and both from surface phonology (step d). No existing theoretical models of allomorphy and infixation (that I’m aware of) separate/order all of the components of the derivation that are necessary to capture the data in my survey (see, e.g., McCarthy and Prince 1993, Paster 2006, Yu 2007, Wolf 2008). However, the model in (8) and the data are very naturally accommodated within a general architecture like that assumed by Distributed Morphology (Halle and Marantz 1993, 1994), providing strong novel support for this type of theory.

<sup>1</sup>Note that this is only clearly testable for edge-oriented, and not prominence/stress-oriented, infixes.

<sup>2</sup>This likely can be more generally stated: When a morpheme has multiple allomorphs, all the allomorphs orient with respect to the same edge of the stem. (See Weisser 2018.) This version, however, has apparent counterexamples.

<sup>3</sup>This universal includes an additional language I excluded above, ChiBemba (Hyman 1994, Orgun 1996), which features the persistence of non-suppletive allomorphy (consonant mutation) across an infix.

<sup>4</sup>This universal draws from a separate sample of 9 languages in which phonology and infixation interact.