**Gøre-Support in Danish**

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1. Introduction

English *Do-Support* arises in a variety of contexts: in sentences with negation or polarity focus, in questions, and with Verb Phrase Topicalization (VPT) and Verb Phrase Ellipsis (VPE).

1. (1) Jasper did not wash the car. [negation]
2. Jasper DID wash the car. [polarity focus]
3. Did Jasper wash the car? [polarity question]
4. Jasper promised he’d wash the car, and wash the car, he did <wash the car>. [VPT]
5. Mona didn’t wash the car but Jasper did [wash the car]. [VPE]

In contrast, Danish employs a similar process, *Gøre-Support*, with only VPT and VPE and with the related construction, Verb Phrase Pronominalization (VPP).

1. *(Jasper) gjorde ikke vaske bilen*. [negation]
   J. GØRE.PAST not wash car.DEF
   ‘Jasper didn’t wash the car.’
2. *(Jasper) gjorde vaske bilen*. [polarity focus]
   J. GØRE.PAST wash car.DEF
   ‘Jasper DID wash the car.’
3. *(Gjorde) Jasper vaske bilen?*. [polarity question]
   wash.PAST J. car.DEF
   ‘Did Jasper wash the car?’
4. *(Jasper) lovede at vaske bilen og vaske bilen gjorde han (så sandelig).* [VPT]
   J. promise.PAST to wash car.DEF and wash car.DEF GØRE.PAST he so truly
   ‘Jasper promised to wash the car, and wash the car, he did (indeed).’
5. *(Mona vaskede ikke bilen men Jasper gjorde)*. [VPE]
   wash.PAST J. car.DEF but J. GØRE.PAST
   ‘Mona didn’t wash the car, but Jasper did.’

Given V-to-T raising in Danish, it is a mystery why there is *Gøre-Support* at all in Danish, and specifically why there is *Gøre-Support* in just these three environments (VPT, VPE, and VPP). Note the ungrammaticality of main verb raising in these constructions.

4. *(…) [vP <vaskede> bilen] vaskede Jasper <vaskede bilen>.*. [VPT]
   wash.PAST car.DEF wash.PAST J.
5. *(Mona vaskede ikke bilen men Jasper vaskede [vaskede bilen].*. [VPE]
   wash.PAST J. car.DEF but J. wash.PAST
6. *(Mona vaskede ikke bilen men det vaskede Jasper*. [VPP]
   wash.PAST J. car.DEF but DET wash.PAST J.

Goals of this paper are

- to account for the distribution of *Gøre-Support*, i.e. the data in (1’-6’).
- to describe VPT, VPE, and VPP in Danish, which have not received much attention in the literature and are not well understood.

We suggest that in these three environments a process targeting sP interferes with V-to-T raising. These processes are phrasal movement (VPT), ellipsis (VPE), and pronominalization (VPP).

- To account for why these processes trigger *Gøre-Support*, we argue that decisions about whether something is pronounced or not (and in some cases how) are made before head movement occurs. Therefore, these processes potentially bleed movement of V to T.

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1. This talk is part of a larger project on VP anaphora in Danish. The data for this project come from four sources: some is drawn from corpora (DK87-90 and Korpus 2000), some is collected from newspapers and works of fiction, some is from descriptive grammars, and some is from work with four Danish speakers, Gry Mirjam Schiar Feldhütter, Peter Feldhütter, Mikael Engelstoft Hansen, and Anna Gritt Schiær-Petersen, all living in the East Bay.
2. In our analysis, what is topicalized, elided, and pronominalized is a sP, but we use the term verb phrase and sP equivalently. Analogously, we use V-to-T as a shorthand for V-to-sP-to-T.
Specifically, we argue that these decisions are made at Convergence, which precedes head movement occurring in the PF (Chomsky 1995, 2001).

2. The Environments for Gøre-Support in Danish

2.1 Verb Phrase Topicalization (VPT)

(4') Jasper lovede at vaske bilen og gjorde han (så sandelig).

J. wash.PAST not car.DEF but J. GORE.PAST ‘Jasper promised to wash the car, and wash the car, he did (indeed).’

(7a) [Sute] gør han ikke, og han har endda råd til at bestikke folk.

starve GORE.PRES he not and he has even affordance to to bribe people ‘Starve, he doesn’t, and he can even afford to bribe people.’ [Korpus 2000]

(7b) Context: ‘Vibeke Ege had been my patient a couple of years earlier. I don’t know what gave her the idea to contact me again. The official reason was that she had had a sprained ankle and that she thought that I would benefit from a little massage.’

[Trænge til det] gjorde den knapt, men så var kontakten ganske legal i orden.

‘It (=the foot) hardly needed it (=massage), but this way the contact was perfectly justified.’ [Korpus 2000]

VPT can also strand modals and other auxiliaries.

(8a) Eet stod fast: vilde han ikke.

one stood firmly surrender SELF would he not ‘One thing was clear: he would not surrender.’ [Hansen (1967:68)]

(8b) [Glemme] har aldrig villet eller kunnet.

forget has he never will.PERF or can.PERF ‘He has never wanted to nor been able to forget.’ [Hansen (1967:68)]

(9) VPT is the movement of a topic-marked vP to Spec-CP, accompanied by movement of T-to-C (Vikner 1995; Källgren & Prince 1989).

\[
\begin{array}{c}
\text{CP} \\
\text{vP} \\
\text{C'} \\
\text{C} \\
\text{T} <T> \quad <\text{vP}> \\
\end{array}
\]

2.2 Verb Phrase Ellipsis (VPE)

Danish has a productive process of VPE, countering Lobeck’s (1995:158-162) claim based on French and German that VPE could not exist in a language where main verbs raise to T (and possibly on to C).

(5') Mona vaskede ikke bilen men Jasper gjorde Δ.

M. wash.PAST not car.DEF but J. GORE.PAST ‘Mona didn’t wash the car, but Jasper did.’

(10a) Enten mangler TV2 fuldstændig fornufting dømmekraft, eller eksisterer der i den danske befolkning gøre Δ.

either lacks TV2 completely reasonable judgement-power or also goes one from that enough many people in the Danish population GORE.PRES ‘Either TV2 (a TV channel) completely lacks reasonable powers of judgment, or they assume that enough members of the Danish population do.’ [Korpus 2000]

(10b) Men jeg ser ingen forbindelse til den danske statsborger Niels Lassen. Gør Δ?

but I don’t see any connection to the Danish citizen N. GORE.PRES ‘But I don’t see any connection to the Danish citizen Niels Lassen. Do you?’ [From Leif Davidsen De gode söstre Lindhardt og Ringhof, 2002, p. 144]

(10c) ...oversættelsen er ikke kommet endnu, men når den gør Δ skal jeg nok sende det med det samme.

translation-DEF is not come yet but when it GORE.PRES shall I PART send it with the same. ‘... the translation has not yet arrived, but when it does I’ll send it right away.’ [Korpus 2000]

VPE is also licensed by modals and other auxiliaries.

(11a) Jeg har prøvet at male det... men jeg kan ikke Δ.

I have tried to paint it... but I can not ‘I have tried to paint it… but I can’t.’ [DK87-90]

(11b) Der er Kaffee, som aldrig har set bonner. Og der er Bohnen-Kaffee, som vel lige netop har Δ.

there is K. that never has seen beans and there is B.-K. that PART just enough has ‘There is Kaffee, which has never seen a coffee bean. And there is Bohnen-Kaffee, which barely has.’ [DK87-90]
Following Merchant (2001) we take VPE to be the result of a feature [E] that causes the non-pronunciation of the sister of the head that bears it.

2.3 Verb Phrase Pronominalization (VPP)

This phenomenon is ubiquitous in the language and noted in descriptive grammars (e.g. Hansen 1967:31; Diderichsen 1968:178; Allan et al. 1995:158–9), but has not received a theoretical treatment.3

Mona vaskede ikke bilen men det gjorde Jasper.
‘Mona didn’t washed the car, but Jasper did.’

Hvis det viser sig at være nødvendigt at flytte hovedkontoret til USA, gjør vi måske det ...
‘If it turns out to be necessary to move the head quarters to the US, we might (do so)…’ [Korpus 2000]

Q: Ved I hvor det ligger?
‘Do you know where it is?’

A: Selvfølgelig gjør vi det.
‘Of course we do.’

En del af dem klarer sig, andre gjør det ikke.
‘Some of them manage, others don’t.’ [DK87-90]

Jeg bor ikke i Svaneparken, men det gjør mine børn.
‘I don’t live in Svaneparken, but my children do.’ [Korpus 2000]

VPP can also be licensed by modals and other auxiliaries.

Han siger han kan hække, men det kan han ikke.
‘He says he can crochet but he can’t.’ [elicitation]

Vi har holdt øje med hende i flere år.
‘We have kept an eye on her for several years.’

Det har alle åbenbart.
‘It seems that everyone has.’ [From Leif Davidsen De gode søstre Lindhardt og Ringhof, 2002]

2.3.1 A Brief Aside: VPP in other Germanic languages?

There are a number of constructions in other Germanic languages that are formally similar to Danish VPP. However, from what we can tell based on the available literature, the environments for each of these constructions appear to be more restricted than in Danish.

Danish

i. Licensed by root and epistemic modals, and all auxiliaries: passive (blive, in 21a) and perfective (have, in 14b).

ii. No restrictions on the semantics of the pronominalized vP; compatible with eventive and stative verbs.

iii. Allowed in matrix and embedded clauses.

iv. Strong preference for a linguistic antecedent, independent of the type of licenser.

Norwegian

A. Har du spist middag?
‘Have you eaten dinner?’

B. Ja, jeg har det.
‘Yes I have that.’ [Lødrup 1990:4 ex. 7]

i. Licensed by both root and epistemic modals and auxiliaries

ii. Only allowed in matrix clauses

iii. With epistemic modals and auxiliaries, det must have a linguistic antecedent (=surface anaphora); det with root modals can be pragmatically controlled (=deep anaphora).

3 Vikner (1988:11) cites some VPP examples in a footnote, but does not develop an analysis.
Swedish

(16) Kicki kan svenska och det gör Kari också.
K. knows Swedish and it does K. also
‘Kicki knows Swedish and so does Kari.’ [Källgren & Prince 1989:49 ex. 5]

- Restrictions (Källgren & Prince 1989):
  i. Compatible with stative antecedent
  ii. Licensed by root modals, but not epistemic modals (Platzack 1979:46)

German

(17) Jan kann die Aufgabe lösen, aber ich weiß, dass Peter es nicht kann.
J. can the task solve but I know that P. es not can
‘Jan can solve the task, but I know that Peter cannot.’ [López & Winkler 2000:624 ex. 3a]

- Restrictions (López & Winkler 2000; Winkler ms.):
  i. Occurs in matrix and embedded clauses.
  ii. Only licensed by root modals and the copula sein (not by auxiliaries)

Dutch (Wambeek dialect)

(18) A. Pierre spelj met de kinjern.
P. plays with the children
‘Pierre plays with the children.’

B. Da duut n nie.
that does he not
‘No, he doesn’t.’ [van Craenenbroeck 2004:148 ex 55]

- Restrictions (van Craenenbroeck 2004):
  i. Only occurs in non-embedded contradictions to declarative statements
  ii. Not licensed by modal or auxiliaries, only doen ‘do’
  iii. Does not occur in past tense even if the antecedent clause is

English

DO SO

(19) Bill signed the legislation, and Al did so too. [Kehler & Ward 1999:245 ex. 30]

- Restrictions (Kehler & Ward 1999; see also Lakoff & Ross 1976; Boulton 1970):
  i. The antecedent clause must be eventive; statives are not allowed.
  ii. So is not licensed by auxiliaries, only main verb do.

DO IT

(20) As they said about Ginger Rogers, “she did everything Fred Astaire did, and she did it backwards and in high heels”. [Kehler & Ward 2004:397]

- Restrictions (Kehler & Ward 2004):
  i. The antecedent clause must be eventive; statives are not allowed.
  ii. Can be licensed by non-linguistic antecedent.

2.3.2 Back to Danish VPP

VPP is an anaphoric process similar to ellipsis that results in a fully articulated vP being pronounced as the pro-form det.

- Meets the requirements for surface anaphora laid out in Hankamer & Sag (1976): exhibits the Missing Antecedent Phenomenon and requires syntactic parallelism with respect to transitivity (Mikkelsen 2006).

- Allows extraction of passive subjects (21a) and unaccusative subjects (21b), which originate within VP:

(21a) Det var første gang, jeg ønskede at blive afsat, og det blev jeg.
‘It was the first time I had wanted to be dismissed and DET became I’

(21b) Context: ‘I wanted the damn train to break down in front of the house. It was always late when there was no use for it…’
Bare det ville bryde sammen lige nu! Men det gjorde det selvfølgelig ikke!
just it would break together right now but DET GORE.PAST it of-course not
‘If only the train would break down right now! But of course it didn’t!’ [DK87-90]

(22)

Note: The surface proform det may appear fronted due to the vP being topic-marked, as in (6’), (13d), (14a-b), (21a-b), but the appearance of another element in Spec-CP can preempt its movement, as in (13a-c).
3. Analysis

Just like English Do-Support (Lasnik 2000; Bobaljik 2002:210-221), we analyze Gøre-Support as a Last Resort operation that takes place to express the features on T when they would otherwise have no legitimate Spell Out. Since Danish does not make a distinction between main verbs and auxiliaries for the purposes of verb raising, Gøre-Support is not necessary in interrogatives and under negation. However, the fact that main verbs normally raise to T prompts the question: Why should Danish have Gøre-Support at all?

➢ We propose that in VPT, VPE, and VPP, something interferes with V-to-T raising.

3.1 Verb Phrase Topicalization

Capitalizing on recent proposals that head movement happens in the PF (Chomsky 1995:368; Chomsky 2001:37-38), we have a straightforward account of why Gøre-Support occurs with VPT: Movement of vP to Spec-CP bleeds head movement of V to T. (We will discuss the implications of this assumption further in §3.4.)

Derivation of (4') immediately before Convergence:

Given the derivation in (23), how can the features on T be realized?

- The occurrence of the main verb that has already moved to Spec-CP as part of Topicalization cannot lower to T due to Travis’s Head Movement Constraint (1984).
- Furthermore, head movement cannot occur out of the lower occurrence of the vP because at Convergence, the lower occurrence is deleted, see (24).5

(24) ...og

Since neither the higher nor the lower occurrence of the v can move to T, the only way to save the features on T is to insert gøre.

3.2 Verb Phrase Ellipsis

This analysis does not extend straightforwardly to Gøre-Support in VPE. This is because VPE does not involve phrasal movement. Rather, it involves the non-pronunciation of vP as a result of the [E] feature that requires its sister to go unpronounced, schematically illustrated in (25).

(5') Mona vaskede ikke bilen men Jasper gjorde Δ.

M. wash.PAST not car.DEF but J. GORE.PAST

‘Mona didn’t wash the car, but Jasper did.’

(25) ...men

Given the derivation in (23), how can the features on T be realized?

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This analysis does not extend straightforwardly to Gøre-Support in VPE. This is because VPE does not involve phrasal movement. Rather, it involves the non-pronunciation of vP as a result of the [E] feature that requires its sister to go unpronounced, schematically illustrated in (25).

(5') Mona vaskede ikke bilen men Jasper gjorde Δ.

M. wash.PAST not car.DEF but J. GORE.PAST

‘Mona didn’t wash the car, but Jasper did.’

(25) ...men

Given the derivation in (23), how can the features on T be realized?

- The occurrence of the main verb that has already moved to Spec-CP as part of Topicalization cannot lower to T due to Travis’s Head Movement Constraint (1984).
- Furthermore, head movement cannot occur out of the lower occurrence of the vP because at Convergence, the lower occurrence is deleted, see (24).5

(24) ...og

Since neither the higher nor the lower occurrence of the v can move to T, the only way to save the features on T is to insert gøre.

3.2 Verb Phrase Ellipsis

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(5') Mona vaskede ikke bilen men Jasper gjorde Δ.

M. wash.PAST not car.DEF but J. GORE.PAST

‘Mona didn’t wash the car, but Jasper did.’

(25) ...men

Given the derivation in (23), how can the features on T be realized?

- The occurrence of the main verb that has already moved to Spec-CP as part of Topicalization cannot lower to T due to Travis’s Head Movement Constraint (1984).
- Furthermore, head movement cannot occur out of the lower occurrence of the vP because at Convergence, the lower occurrence is deleted, see (24).5

(24) ...og

Since neither the higher nor the lower occurrence of the v can move to T, the only way to save the features on T is to insert gøre.

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This analysis does not extend straightforwardly to Gøre-Support in VPE. This is because VPE does not involve phrasal movement. Rather, it involves the non-pronunciation of vP as a result of the [E] feature that requires its sister to go unpronounced, schematically illustrated in (25).

(5') Mona vaskede ikke bilen men Jasper gjorde Δ.

M. wash.PAST not car.DEF but J. GORE.PAST

‘Mona didn’t wash the car, but Jasper did.’

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(24) ...og

Since neither the higher nor the lower occurrence of the v can move to T, the only way to save the features on T is to insert gøre.

3.2 Verb Phrase Ellipsis

This analysis does not extend straightforwardly to Gøre-Support in VPE. This is because VPE does not involve phrasal movement. Rather, it involves the non-pronunciation of vP as a result of the [E] feature that requires its sister to go unpronounced, schematically illustrated in (25).

(5') Mona vaskede ikke bilen men Jasper gjorde Δ.

M. wash.PAST not car.DEF but J. GORE.PAST

‘Mona didn’t wash the car, but Jasper did.’

(25) ...men

Given the derivation in (23), how can the features on T be realized?

- The occurrence of the main verb that has already moved to Spec-CP as part of Topicalization cannot lower to T due to Travis’s Head Movement Constraint (1984).
- Furthermore, head movement cannot occur out of the lower occurrence of the vP because at Convergence, the lower occurrence is deleted, see (24).5

(24) ...og

Since neither the higher nor the lower occurrence of the v can move to T, the only way to save the features on T is to insert gøre.
However, we can understand the occurrence of Gøre-Support in VPE in the same terms as VPT if we assume that ellipsis happens before head movement.

Merchant (2001) leaves open the question of where in the PF ellipsis takes place. Two possibilities emerge:

- At VI: Ellipsis cannot simply be the non-insertion of vocabulary items. Since head movement precedes VI (for the reasons laid out in Embick and Noyer 2001:§7.2), non-insertion of phonological material would not bleed head movement.
- At Convergence: If ellipsis happens at Convergence, the correct bleeding relationship between ellipsis and head movement obtains. Once the verb phrase has been elided, V-to-T cannot take place, and gøre is inserted as a Last Resort.

Derivation of (5') at Convergence:

(26) ...men   CP
            Jasper  C'
               C   TP
                  <Jasper>  T'
                                 T
                                     [past, E]

We remain agnostic about the precise mechanism by which ellipsis occurs, whether it be by deletion of formal features, deletion of syntactic structure, or marking for later non-pronunciation (see fn. 4 for references).

3.3 Verb Phrase Pronominalization

We pursue an entirely parallel analysis for VPP. The only difference is in the pronunciation of vP.

(6') Mona vaskede ikke bilen men gjorde Jasper.
   ‘Mona didn’t washed the car, but Jasper did.’

(27) ...men   CP
            Jasper  C'
               C   TP
                  <Jasper>  T'
                                 T
                                     vP
                                          v
                                              VP
                                                  vaskede  bilen

As with VPE, T bears a feature, that we call [P], which causes its sister to be pronounced as the proform, det. Like the [E] feature, the effects of [P] take place at Convergence.

(28) ...men   CP
            Jasper  C'
               C   TP
                  <Jasper>  T'
                                 T
                                     det
                                      [past, P]

At Convergence, the internal structure of vP is deleted and it is either marked so that det is inserted at VI (or if you prefer, no marking takes place, and det is inserted by secondary exponence (Harley & Noyer 2000)).

Since the internal structure of vP is deleted, no V-to-T raising can take place. Just like in the previous two cases, gøre must be inserted to rescue T’s features.
SUMMARY: VPT, VPE, and VPP all involve processes that target the vP at Convergence, preventing the later movement of V-to-T. This triggers Gøre-Support. In sentences with negation and polarity focus and in polarity questions, no process affecting vP takes place, and V-to-T movement proceeds unimpeded, correctly accounting for the lack of Gøre-Support in these constructions.

3.4 Implications for the theory of head movement

Our analysis supports the proposal by Chomsky (1995, 2001) that head movement takes place in the PF. Contra Chomsky, Zwart (2001) and Matushansky (2006) argue explicitly for head movement being an operation that applies in the narrow syntax, though both derive some of the properties of head movement by positing some PF operation. Zwart relies on the variable Spell Out of copies in a chain and Matushansky on an operation she calls m-merger.

We remain agnostic as to whether head movement is completely a PF operation. What is important for our proposal is that some component of head movement be in the PF and that it have the potential to be affected by non-pronunciation of copies or ellipsis. More work is needed to determine whether the proposal of Zwart or that of Matushansky is compatible with our account.

4. Conclusion and Further Considerations

We have argued that decisions about whether something is pronounced (in the case of movement copies and ellipsis) or how (in the case of pronominalization) are made at Convergence, and not at some later stage in the derivation.

- This allows us to explain the occurrence of Gøre-Support in VPT, VPE, and VPP in Danish. The processes that target the vP in these constructions bleed head movement out of vP. Since V-to-T cannot occur, gøre is inserted to express the features on T.
- This analysis allows for a unified account of Do-Support in English and Gøre-Support in Danish as a Last Resort operation. In both, phonological material is inserted to save features on T that must be pronounced. The different distributions of do and gøre follow from independent properties of the two languages. For Danish, in sentences with negation or polarity focus and in polarity questions, there is no need for Gøre-Support, since V-to-T movement occurs unimpeded.

4.1 Non-finite occurrences of gøre

In this paper, we have concentrated on unambiguous cases of Gøre-Support. There are, however, also instances of gøre cooccurring with another (preceding) auxiliary in contexts that look very similar to VPT, VPE and VPP.

(29a) … og lytte vil de gøre.  [VPT]
    ... and listen will they? [Korpus 2000]  
(29b) Færger over Femer-bælt bruger væsentlig mere energi for at tilbagelegge ferries over F.-Strait use significantly more energy for to cover}
    de ca. 20 km, end tog og biler vil gøre.  [VPE]  
    they approximately 20 km than train and cars will gøre-INF
    ‘Ferries crossing Femer Strait use significantly more energy to traverse the 20 or so kms. than trains and cars would.’ [Korpus 2000]

(29c) Regnen pisker ned. Det har gjort hele måneden.  [VPP]  
    Rain.DEF whips down DET has it gøre.PERF whole month.DEF
    ‘The rain is pouring down. It has been all month.’ [DK87-90]

We see two possible analyses for these instances of gøre:

A) They are completely different from support-gøre and are possibly main verbs, exhibiting semantic restrictions on its antecedent (analogous to do in English do so).

B) They are also support verbs, but occur in a lower position than the gøre-infinitive. This position might be some generic v or Aux position. It is there not to express the features on T (as the higher auxiliary does), but to provide a host for the non-finite inflectional morphology governed by the higher auxiliary.

The choice between these two possibilities awaits further empirical investigation, but we can make some tentative observations:

- Sensitivity to aspectual parallelism between the antecedent and the target clause: If real, it would favor B.
- Sensitivity to the semantics of the antecedent verb: If real, this would favor A, though it is not necessarily incompatible with B since situation aspect (Aktionsart) and viewpoint aspect interact.
- Other auxiliaries appear in non-finite forms under a higher finite auxiliary in VPT, VPE, and VPP (see ex. 8b).
- In embedded clauses with finite Gøre-Support, gøre appears below negation indicating that there is an available position below negation.

4.2 Head movement in Sluicing (Merchant 2001)

Our account of Gøre-Support in Danish is consistent with a suggestion by Merchant (2001:72-74) to account for why there is no T-to-C raising in Sluicing across Germanic languages. If Sluicing is wh-movement accompanied by deletion of TP, then we expect it to be accompanied by auxiliary inversion, but this is ungrammatical, e.g. (30b).

(30a) Jasper was talking to someone but I don’t know [Jasper was talking to <who>].

(30b) *Jasper was talking to someone but I don’t know [CP who was [Jasper <was> talking to <who>]].

The absence of T-to-C movement in Sluicing falls out from our proposal: if head movement is preceded by ellipsis of TP, then the auxiliary cannot escape deletion.

1 The second author of this paper is happy to speculate that this may not even be a syntactic head position.
4.3 V-Stranding VPE (Goldberg 2005)

Our account of Gare-Support has important implications for the analysis of V-Stranding VPE in Hebrew, Irish, and Swahili (see Doron (1999) for Hebrew, McCloskey (1991) for Irish, and Ngonyani (1996) for Swahili). Recently, this type of ellipsis has been analyzed as V-raising out of the phrase that is later deleted (see Goldberg (2005)).

(31) TP
   T
   T
   v T v'
   V v <V> VP
   <V>

An analysis of V-Stranding VPE consistent with our proposal for Danish has to be worked out. We predict that V-Stranding VPE shouldn’t exist, since the main verb should not be able to escape ellipsis.

One possibility is that there are two types of head movement: one in the PF and one in the narrow syntax. It might be possible to appeal to the different motivation for verb raising in each of the types of language in order to justify such an assumption. In Hebrew-style languages, verb raising is movement to T for morphological reasons. In Danish, V-to-T only happens as part of T-to-C, which takes place for non-morphological reasons (for specific proposals see Brandner 2004 and Zwart 2005).

References


