DOI: https://doi.org/10.17507/tpls.1209.16

# A Typological Study of the Mongolian and Chinese Comparatives From the Perspective of the Cardiff Grammar

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Abstract—This paper explores the syntactic and semantic functions of "NP +  $\forall$  (aca/ece)" in the Mongolian comparatives and " $\not$  (bi)+ NP" in the Chinese comparatives from the perspective of the model of Cardiff Grammar in Systemic Functional Linguistics. It is found that "NP +  $\forall$  (aca/ece)" in the Mongolian comparatives is case group, which can function as Main Verb and Adjunct. " $\not$  (bi)+ NP" in the Chinese comparatives is prepositional phrase, which can serve as Main Verb, Adjunct and Complement. Through the typological analysis, we find that the similarities in Mongolian and Chinese comparatives outweigh their differences in terms of process type and subject theme. However, the detailed features vary in the most delicate systems – within the lexical zone at the stratum of lexicogrammar. The findings not only provide a tentative solution to the long-standing debates on the comparatives, but also shed light on the teaching and learning of the comparatives in Mongolian and Chinese.

Index Terms—Mongolian comparative, Cardiff Grammar, systemic functional linguistics, typology

## I. INTRODUCTION

"Comparison" is one of the most basic behaviors of human beings in perceiving the world, which is embodied in language as the category of comparison. Typically, it can be realized by the linguistic expression, namely, the comparatives, whose function is to compare the different aspects of an object or the differences between two objects. The previous studies on the comparatives have achieved a lot, but it mainly focuses on Chinese or English, showing a tendency of detailed description, in-depth explanation and diverse perspectives. However, there are still doubts concerning the syntactic study of the Chinese comparatives, especially, the identification of the word class of the comparative marker "比" (bǐ), such as verb theory (Zhao, 1968; Xiang, 2005), preposition theory (Liu, 1996), conjunction theory (Hong, 1991), marker theory (Fu, 1978), etc. Even though Generative Grammar mostly adopts the Theory of Degree Semantics (von Stechow, 1984) to deal with the syntactic and semantic issues of the Chinese comparatives, the syntactic property of the comparative marker "比" (bǐ) is still unresolved, which prompts Chinese to be compared with other languages.

Comparatively, the study of the comparatives in Mongolian is relatively weak. Some Mongolian scholars mention the concept of the Mongolian comparatives when discussing the ablative case marker "¬¬" (aca/ece "Ablative Case Marker, hereafter 'ABL") (Qinggertei, 1991; Daobu, 1983; Deligelma, et al., 2013, etc.). There still exist some debates concerning its syntactic function. For instance, "NP (noun phrase) + "> (aca/ece)" in the Mongolian comparatives is mostly regarded as an indirect object (Qinggertei, 1991; Delgerma et al., 2013), adverbial (Su, 2015), complement (Daobu, 1979) and so on. In addition, there is no consensus on the understanding of its function. For example, Delgelma et al. (2013, p. 49-50) argue that "NP + " (aca/ece)" dominated by adjective predicate is an indirect object in form, but functions as an adverbial like the prepositional phrase "比 (bǐ)+ NP" in Chinese. Daubu (1979) holds that complement is connected with predicate through various case makers or postpositions. In "" (casu-aca cagan "whiter than snow"), "ביי פֿויבי (casu-aca)" (NP+ ידי <aca/ece>) is complement of the ablative case marker. Moreover, Daobu (1979, p. 103) points out that "direct (object)" and "indirect (object)" in Mongolian are distinguished by means of grammatical form, i.e., the syntactic constituents with the accusative case makers (or other grammatical forms but functionally equivalent to the accusative case marker) are named as "direct complement" or "direct object", and the syntactic constituents with other case makers are "indirect complement" or "indirect object". In other words, the distinction between direct object and indirect object, as well as object and complement is not clear enough. It can be seen that there are different views on the syntactic functions of "NP+ '¬' (aca/ece)" in Mongolian, which is mainly due to the fact that traditional grammar focuses only on form, but ignores meaning and function, and the definition of traditional syntactic constituents in Mongolian is indeterminate and vague.

Different from traditional grammar, the Cardiff Grammar (CG) combines the analysis of semantic stratum and lexicogrammatical stratum, which adheres to the principle that meaning is primary and form realizes meaning (Fawcett, 2008). Many linguistic scholars have applied it to the syntactic and semantic analysis of the Chinese and English linguistic phenomenon (e.g. Zhang & Zhang, 2012; Xiang & Liu, 2018; He & Xue, 2018; Xiang, 2019, etc.). Therefore, to explore the panorama of the syntactic and semantic functions of "NP+ ¼ (aca/ece)" in the Mongolian comparatives and "比(bǐ)+ NP" in the Chinese comparatives, this paper will focus on what the basic features of the structural elements in the Mongolian comparatives are and how the syntactic and semantic functions of "NP+ ¼ (aca/ece)" and "比(bǐ)+ NP" are realized from the perspective of CG. In addition to understand what the differences and similarities of the Mongolian and Chinese comparatives in terms of the experiential and textual metafunctions are, the second aim of this paper is to examine the typological features of the Mongolian comparatives by means of comparing them with the Chinese ones, which not only provides a tentative solution to the long-standing debates on the comparatives, but also sheds light on the teaching and learning of the comparatives in Mongolian and Chinese.

#### II. THE SYNTACTIC AND SEMANTIC ANALYSIS OF THE MONGOLIAN AND CHINESE COMPARATIVES

### A. The Basic Categories and the Syntactic and Semantic Representation in Cardiff Grammar

CG (Fawcett, 2000, 2008), proposed by Fawcett under the influence of Halliday's Systemic Functional Linguistics (SFL) (Tucker, 1998, p. 37), is regarded as a dialect of SFL, although it differs in a number of ways from Hallidayan approach (c.f. Halliday, 2014). Fawcett (2000, p. 237) recognizes three basic syntactic categories, namely, class of unit, element of structure and item. The basic relations between them are: componence, filling and exponence (Fawcett, 2008, p. 76). In other words, a class of unit is composed of elements of structure or expounded by items. In CG, the basic syntactic units are clause, nominal group, quality group, quantity group and prepositional group. A clause is composed of Subject, Operator, Main Verb, Complement, Adjunct and other main elements of structure, which are further filled by elements of structure or classes of unit, or expounded directly by items.

In addition, the multifunctional nature of language is displayed in the representation of the meanings. SFL claims that all human languages are multifunctional, and there are three main strands of meaning: experiential, interpersonal and thematic meanings, which are combined into a single structure (Halliday, 1985, 1994). In SFL, the different strand of meaning is represented almost by all the elements in the structure, such as the systems of TRANSITIVITY, MOOD, THEME and so on. In CG, however, the different functions of the clause are displayed by different elements of the clause instead of the whole structure of the clause. That is to say, it is the role of syntax to show the integration of these intermittent 'strands of meaning' in a single structure (Fawcett, 2000, p. 147). The syntactic and semantic representation of a simple clause is illustrated in Figure 1<sup>1</sup>.

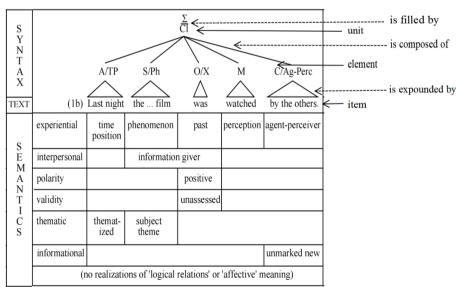


Figure 1 The Syntactic and Semantic Representation of a Simple Clause (c.f. Fawcett, 2008)

In Figure 1, syntactically, the clause is composed of the elements of Adjunct, Subject, Operator, Main Verb, and Complement. Meanwhile, they are expounded respectively by the items "last night", "the...film", "was", "watched" and "by the others". Semantically, experiential strand of meaning is realized by the system of TRANSITIVITY. It defines the range of types of process and the participants in each of those types of process. In CG, the PROCESS is typically expressed in the Main Verb, and the PARTICIPANTS are typically expressed in the Subject and Complement.

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<sup>&</sup>lt;sup>1</sup> Key:∑= Sentence; Cl = Clause; S = Subject; O = Operator; X = Auxiliary; M=Main Verb; C=Complement; A=Adjunct; /= 'is conflated with' TP = Time Position Ph = Phenomenon Ag-Perc = Agent-Perceiver.

Therefore, the experiential meaning of "Last night the…film was watched by the others" is realized through the three elements of Subject, Main Verb and Complement that express the choices in TRANSITIVITY. In light of the interpersonal meaning, the choice of MOOD is expressed by the two elements of Subject and Operator which realize the function of "information giver". Textual meaning is realized through the Subject and the elements ahead of the Subject that express the choices of THEME.

## B. The Syntactic and Semantic Analysis of the Mongolian Comparatives

Since "comparison' is a category combining semantics and syntax" (Liu, 2004, p. 37), the study of the category of comparison should consider both meaning and form (Xu, 2007). The structural elements and the syntactic and semantic analysis of the Mongolian comparative will be illustrated in the following two aspects.

## (a). The Basic Structural Elements of the Mongolian Comparatives

The basic structural elements of the comparatives mainly include comparison subject (SJ), comparison standard (ST), comparison marker (M) that elicits ST, and comparison result (R) ("than" in English, "比" (bǐ) in Chinese, "元" (aca/ece) in Mongolian) (Deng, 2015, p. 48). For instance:

```
(1) her hard hard horest in a (batu dorji-aca öndör)
Batu Dorji-ABL tall.
SJ ST M R
"Batu is taller than Dorji."
```

In the above example, "%" (batu "Batu") is SJ, representing the main party of the two objects being compared. "%" (dorji "Dorji") is ST, that is, the reference for comparison; "¾" (aca) is M, which elicits ST. "%" (öndör "tall") is R, which indicates the difference between the two objects which are compared in terms of character, quantity, degree, etc. When the comparison subject can be inferred from the context, it can be omitted, such as "¼" (agulan-aca öndör "<It is> higher than mountain").

In Mongolian, the comparison subject and the comparison standard are mainly nominals, including nouns/noun phrases, pronouns, numbers, verbal nouns with different morphological changes of case, number and possessive categories and so on, as is shown in the examples below:

```
(2) \frac{1}{100} \%
                         (Bq(1-) 1±√ 10mo( ++
     (ulagan ni
                             köke-ece ogor)
red -subject marker blue-ABL short
                      ST M
SJ
                                 R
"The red one is shorter than the blue one."
          j√/<sub>2</sub> 1-2/
                            ᡝᡥᢙᡉ
                                   ᢙᠺᡗᢖ᠂ᡩᠤ
(3) ⊶√
  (tere
           nama-aca neng ileküü köke-dü
                                                duratai)
     me-ABL
                 much over Huhe-DAT like
      ST M
"He likes Huhe more than I does./ He likes Huhe more than me."
                                                                       ዓሐርትና ን • •
                                 öngkü
                          aca
                                                      ni
                                                                      degere)
taking (verbal noun)- ABL giving (verbal noun)-subject marker good
                       M
"Giving is better that receiving."
```

Since Mongolian is a language with morphological markers, the comparison marker " [ (aca/ece) is used to mark the comparison standard, and the subject is marked with the nominative case " (p" (no specific case) or the subject markers " (ni) or " (gegci) (gegci)

(qu/k ü).

<sup>&</sup>lt;sup>2</sup> The Mongolian examples used in the paper mainly come from the literature (Qinggertei, 1991; Su, 2015) and the Chinese examples are created by the authors. The Mongolian vertical script (i.e. Modern Written Mongolian) is transliterated with the scheme provided by The Library of Congress, which generally follows the Vladimirtsov-Mostaert system but with some changes (see http://www.loc.gov/catdir/cpso/romanization/mongolia.pdf). The Chinese examples are transliterated using pinyin.

The typical component of the comparison result is adjective or adjective phrase, ahead of which there may exist the relative adverbs of degree, such as "m" (neng "much") and "m" (baga sana "a bit"), the absolute adverbs of degree, such as "סמיה" (töng "quite") and ""(masi "very much"), and the number-classifiers, such as "מינה" (nige tologai "one head"). However, those modifiers are not obligatory. For example,

```
الم يسدس فيشر (2)
                    الا تحابته
                                             أمدرهرك أسعس يستمر
                                                                ١٣٠٢ / صورتي / أسلا
   (enek ü gajar-un üjemji ni
                                             nöküge gajar-aca neng/töng/masi saihan)
   this place-GEN scenery-subject marker that place-ABL
                                                                 much
                                                                             beautiful
```

(The scenery in this place is more beautiful than that in that place.)

In the meantime, the comparison result can also be verb or verbal phrases, ahead of which there is Adjunct. This Adjunct is obligatory on some occasion. Consider the following examples:

```
(6) 424 147 124
                    ار برستس میشین
      (secen nama-aca saihan dagulana)
Siqin me-ABL pretty sing
SJ ST M
(Sigin sings better than I do.)
(7) mx/ 1+1/1 mx/
                           رامر بمحسانًا
بالم
                  <del>101,0</del>
                              gajar-un
     (tere nama-aca önö
                                          baidal-i
                                                           oilagana)
he me-ABL current place-GEN situation-ACC
   SJ ST M
                   R
```

(He knows the local situation better than I do.)

In the examples above, the comparison results are embodied by the verb "(dagulana "sing") and the verbal 'pretty") is an obligatory element in (6).

In short, through the description of the basic features of the structural elements in the Mongolian comparatives, we can infer that the syntactic and semantic functions of "NP+ '\(\frac{1}{2}\) (aca/ece)" are closely related to the comparison results. According to the morphological class of the comparison results, the Mongolian comparatives can be classified into two types in structure: SJ+ST- 12/ (aca/ece)+adjective/adjective phrase (R), and SJ+ST- 12/ (aca/ece)+ (adjective/adverb)verb/verbal phrase (R). In order to clarify the syntactic and semantic features of "NP+ '¬' (aca/ece)" in the Mongolian comparatives, we will analyze the two types of structures from the perspective of CG as follows.

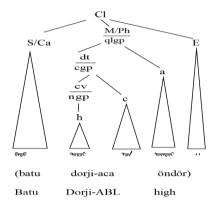
# (b). The Analysis of the Mongolian Comparatives From Perspective of Cardiff Grammar

According to CG, "NP+ \(\frac{1}{2}\) (aca/ece)" in the Mongolian comparatives can function as Main Verb and Adjunct, which are analyzed as follows.

# 1. "NP+ ¬√ (aca/ece)" as Main Verb

To analyze the first type of the Mongolian comparatives "SJ+ST-1¬√ (aca/ece)+adjective/adjective phrase (R)", we will take the clause "مر مرا المعربة of CG is meaning oriented, the meaning expressed in this clause is that Batu is tall. As to the degree of the height, it is taller than Dorji. In other words, "" (batu dorji-aca öndör "Batu is taller than Dorji") is Event-relating process, in which "bot" (batu "Batu") is Carrier and "'and " (dorji-aca öndör "taller than Dorji") is Phenomenon. In Mongolian, nominals can function as predicate alone. tonggalag "Water is clear") are cases in point. "(bagsi "teacher") and "(conggalag "clear") in the two clauses above function as predicate. According to CG, this clause unit (Cl) is composed of three elements: Subject (S) conflated with Carrier (C), Main Verb (M) conflated with Phenomenon (Ph), and Ender (E). S/Ca is expounded by the item "%" (batu "Batu"), and E is expounded by the Mongolian period ""." "M/Ph" is a complicated element. It is filled by the unit-quality group (qlgp) which is further composed of degree temperer (dt) and apex (a). "dt" is filled by the case group (cgp)<sup>3</sup> which is composed of completive (cv) and case marker (c). The completive is filled by nominal group (ngp) with the only element-head (h). "h" "c"and "a" are expounded respectively by the items "are" (dorji), "are" (aca/ece) and "orosov" (öndör). The analysis of "NP+ 17/ (aca/ece)" as main verb from the perspective of CG is shown in Figure 2 below.

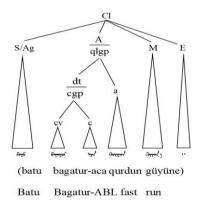
<sup>&</sup>lt;sup>3</sup> Given that there is no prepositional phrase in Mongolian, the preposition in Chinese and English is semantically equivalent with the case maker in Mongolian, even though the case marker is the grammatical category. However, the case maker and the preposition vary greatly in terms of the syntactic functions (see Sunderiya, 2013). "NP+ (aca/ece)" is thus named as case group (cgp) instead of prepositional group (pgp).



"Batu is taller than Dorji."

Figure 2 Syntactic Analysis of "NP+ 🖼 (aca/ece)" as Main Verb From the Perspective of CG

## 2. "NP+ ¬√ (aca/ece)" as Adjunct



"Batu runs faster than Bagatur."

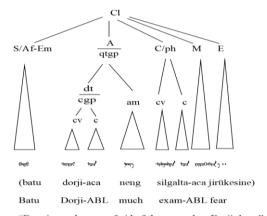
Figure 3 Syntactic Analysis of "NP+ '=\forall (aca/ece)" as Complement From the Perspective of CG

As is analyzed above, syntactically, the case maker " $\neg$ " is combined with completive expounded by " $\neg$ " (Bagatur) and they form a case group. The case group " $(cv+c<\neg$ )" functions as degree temperer. It is further combined with

<sup>&</sup>lt;sup>4</sup> As Fawcett (2008) argues that a Complement is any Participant Role except for Subject" and a Participant Role is the one expected to occur in the clause, which serves as a result of knowing what the process is. Therefore, in the clause "هو هيون المحال المح

apex "المعمدية" (hurdun "fast") to form a quality group. The quality group "مرية" (bagatur-aca hurdun "faster than Bagatur") functions as Adjunct.

Here is another case. The comparison results are still verb or verbal group, but "NP+ 12/ (aca/ece)" is combined with the relative adverb (typically adverb of degree) instead of adjective to form a quality group. The quality group fills Adjunct to indicate the degree of the process. Note that the adverbs in Mongolian are relatively fewer than those in Chinese and English, because some words which correspond semantically with the adverbs in other languages are expressed by adjective and postposition in Mongolian (for details, see Qinggertei, 1991). In addition, the comparative is typically mental process. We will illustrate the semantic and syntactic configuration with the example "12/12" (batu dorji-aca neng silgalta-aca jirükesine "Batu is much more afraid of the exam than Dorji does")". According to CG, the Clause (Cl) is composed of five elements, Subject (S) conflated with Affected-emoter (Af-em), Adjunct (A), Main Verb (M), Complement (C) conflated with Phenomenon (Ph), and Ender (E). "Af-em", "M" and "E" are expounded respectively by "12/12" (batu "Batu"), "12/12" (jirükesine "fear") and the period "12/12". Phenomenon (ph) is expounded by "12/12" (silgalta-aca "exam-ABL"). Adjunct (a) is filled by quantity group (qtgp) which is further composed of adjustor (ad) and amount (am). Amount is expounded by "12/12" (aca) and completive (cv) expounded by "12/12" (dorji "Dorji"). The analysis of "NP+ 12/2" (aca/ece)" as Adjunct from the perspective of CG is shown in Figure 4 below.



"Batu is much more afraid of the exam than Dorji does."
Figure 4 Syntactic Analysis of "NP+ 🖬 (aca/ece)" as Adjunct From the Perspective of CG

To sum up, according to the syntactic and semantic analysis of "NP+ 17/ (aca/ece)" in the Mongolian comparatives from the perspective CG, "NP+ 17/ (aca/ece)" can function as Main Verb and Adjunct with the changes of the comparison results (see Figure 5).

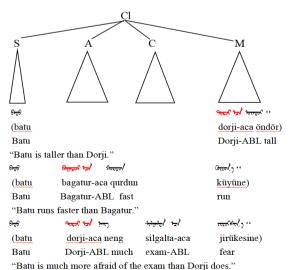


Figure 5 The Summary of the Syntactic Analysis of "NP+ 🔀 (aca/ece)" in the Mongolian Comparatives

When the comparison result is adjective, "NP+ ¬/ (aca/ece)" (degree temperer) together with adjective (apex) forms a quality group which fills Main Verb. When the comparison result is verb or verbal group, it has to be considered from the following two aspects. For one thing, when the comparison result is Adjunct-Predicate structure with an obligatory adjective as Adjunct, "NP+ ¬/ (aca/ece)" (degree temperer) together with the adjective (apex) forms a quality group which fills Adjunct. For another, when the comparison result is verb or verbal group without an obligatory adjective as Adjunct, "NP+ ¬/" fills Adjunct. In addition, when the comparison result is a clause, "NP+ ¬/" (aca/ece)" also functions as Adjunct. The analysis on the Mongolian comparatives from the perspective CG defines more systematically the syntactic functions and semantic features of "NP+ ¬/" (aca/ece)" in the Mongolian comparatives.

## C. The Analysis of the Chinese Structural Elements From Perspective of the Cardiff Grammar

The basic structural elements of the Chinese comparatives have been thoroughly described in literature (for details, see Fu, 1978; Liu, 1996; Sa, 2003, etc.). According to CG, "比(bǐ)+ NP" in the Chinese comparatives is prepositional phrase, which serves as Main Verb, Adjunct and Complement.

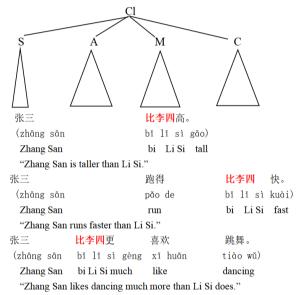


Figure 6 The Syntactic Analysis of "比 (bǐ)+ NP" in the Chinese Comparatives

Based on CG, "NP+ ¬ (aca/ece)" in the Mongolian comparatives can function as MainVerb and Adjunct. In the same token, "比 (bǐ)+ NP" in the Chinese comparatives can also serve as MainVerb and Adjunct, as is shown in Figure 6 above. With regards the experiential meaning, the clause "张三比李四高。"(zhāng sān bǐ lǐ sì gāo "Zhang San is taller than Li Si") is an Event-relating process, in which the Subject (S) "张三" (zhāng sān "Zhang San ") is conflated with Carrier and the Main Verb (M) "比李四高" (bǐ lǐ sì gāo "taller than Li Si") is conflated with Phenomenon. The Main Verb (M) is filled by the quality group, which is further composed of degree temperer and apex expounded by "高" (gāo "tall). As for the degree temperer, it is filled by the preposional group which is composed of the nominal group expounded by 李四 (lǐ sì "Li Si") and preposition 比 (bǐ) . Thus, the meaning expressed in this clause is that Zhang San is tall. As to the degree of the height, he is taller than Dorji. The clause "张三比李四更喜欢 跳舞。" (zhāng sān bǐ lǐ sì gèng xǐ huān tiào wǔ "Zhang San likes dancing much more than Li Si does") is a mental process, in which the Subject (S) "张三" (zhāng sān "Zhang San") is conflated with Affected-emoter, and the Complement (C) conflated with Phenomenon is expounded by "跳舞" (tiào wǔ "dancing"). With regards to the Adjucnt (A), it is filled by quantity group which is further composed of adjustor and amount. Amount is expounded by the degree adverb "更" (gèng "much"). Adjustor (ad) is filled by preposional group and is composed of preposition expounded by "tt" (bǐ) and completive expounded by 李四 (lǐ sì "Li Si"). Thus, the experiential meaning realized in the clause is that Zhang San likes dancing, with the Adjucnt (A) "比李四更" (bǐ lǐ sì gèng "much more than Li Si") to indicate the degree of the "liking" process.

Additionally, "比 (bǐ)+ NP" in the Chinese comparatives can function as Complement. In the clause "张三跑得比李四快。" (zhāng sān pǎo de bǐ lǐ sì kuài "Zhang San runs faster than Li Si"), "比李四快" (bǐ lǐ sì kuài faster than Li Si) is Complement (C), a role expected by the process. In other words, 张三跑得(zhāng sān pǎo de "Zhang San runs") can not express a complete meaning, which expects "quality" to express the meaning that Zhang San runs fast. Further, his speed is compared with Li Si's. In the action process, the Subject (S) "张三" (zhāng sān "Zhang San") is conflated with Affected-agent, the Main verb (M) is expounded by "跑得" (pǎo de "run"), and the Complement (C) is filled by

the quality group "比季四快" (bǐ lǐ sì kuài "faster than Li Si"). As regards the quality group, similarly, it is further composed of degree temperer filled by prepositional group "比季四" (bǐ lǐ sì "than Li Si") and apex expounded by "快" (kuài "fast").

#### III. TYPOLOGICAL DISCUSSION

The comparatives both in Mongolian and Chinese convey three metafunctions in communication — experiential, interpersonal and textual functions. Given that the present study centers on the positive comparatives, and tense, aspect and mood of the comparatives are not taken into account in this study, the typological discussion will be conducted primarily in terms of experiential and textual metafunctions.

As far as experiential metafunction is concerned, the Mongolian comparative is manifested in the assignment of the types of process and the choices of the configuration of processes. In view of the division of process, relational process, action process and mental process occur frequently in construing the comparative experience. The Mongolian comparatives share some general features with those in Chinese. Generally, it is in the relational process that "NP+ 12/4 (aca/ece)" and apex function as Process. In the action process, "NP+ 12/4 (aca/ece)" together with apex functions as Adjunct. In the mental process, "NP+ 12/4 (aca/ece)" as well as amount functions as Adjunct. However, the comparatives expressed by the mental process may convey ambiguous meanings, which rarely occurs in the Chinese comparatives. For instance, the clause (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/14) (12/1

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٠٠ (۵۲۸۲۷)
(8) and the (8)
      (toso usu-aca könggen)
oil water-ABL light
"Oil is lighter than water."
(9) 1<del>6/18</del>
             toso-aca könggen ")
     usu
water oil-ABL light
"water is lighter than oil."
(10)油 比 水 轻。
       (yóu bǐ shuǐ qīng)
oil bi-water light
"Oil is lighter than water."
(11) 水
            比油
(shuǐ bǐ yóu qīng)
water bi-oil light
"water is lighter than oil."
```

However, in the Chinese comparatives, there is a case in which "比 (bǐ)+NP" can move to the position after the main verb without changing the meaning of the comparatives, which, however, is unacceptable in Mongolian. For instance,

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(12) 小明
               比小强
                             跳得高。
(xiǎo míng bǐ xiǎo qiáng tiào de gāo)
Xiaoming bi-Xiaoqiang jump-de high
"Xiaoming jumps higher than Xiaoqing."
(13) 小明
               跳得
                     比 小强
(xiǎomíng tiào de bǐ xiǎoqiáng gāo)
Xiaoming jump-de bi-Xiaoqiang high
"Xiaoming jumps higher than Xiaoqing."
(14) ೄ
        ᡋ᠇ᡍᢛᡡ᠂᠇ᠽᠨ
                      ᠬᠣᠷᡖᠳ
(batu bagatur-aca qurdun güyüne)
Batu Bagatur-ABL fast
                         run
"Batu runs faster that Bagatur."
*0100 10000√
            المراهور المعرا
                           ۱۰۰ د رکویس
(batu qurdun bagatur-aca
                           güyüne)
Batu fast
            Bagatur-ABL run
(Batu runs faster that Bagatur.)
```

Additionally, in the Chinese examples above, "高" (gāo"high") is considered as Complement / Range instead of Adjunct as in the Mongolian comparatives. According to the traditional grammar, Mongolian is distinguished from Chinese in terms of morphological changes, and the grammatical constituents do not always match equally with each other. The Complement as the modifier of Predicate in Chinese thus is corresponding with multiple grammatical constituents, such as Adverbial, Attribute and Auxiliary, etc. in Mongolian (Delgerma et al., 2013). Thirdly, when "NP+ ¼ (aca/ece)" functions as Adjunct, it is often combined with adverb as Amount, such as the relative adverbs of degree "♠¬" (neng "much") and "﴿﴿﴿﴿) ﴿﴿)" (baga sana "a bit") or the absolute adverbs of degree "♠¬" (töng "quite"), "♠¬" (dengdegüü "too"), "♠¬" (masi "very much"), etc. In contrast, in Chinese, the relative adverb of degree "₱¬" (gèng "much") is most frequently used, but the absolute adverbs of degree "‡†" (fēi cháng "very much"), "太" (tài "too") and "很" (hěn "quite") are unacceptable. Fourthly, Carrier, Actor and the comparative standard are generally nominals in the Mongolian comparatives, but in the Chinese comparatives, they can be verbals, nominals or adjectives.

Regarding the textual metafunction, the first general feature in both the Mongolian and Chinese comparatives is that the obligatory ideational theme is most frequently used, followed by the optional interpersonal theme and textual theme. The second point is that there is no theme marker in both languages. Thirdly, the ideational theme can overlap with the Subject. Moreover, Subject in both the Mongolian and Chinese comparatives is often absent in discourse, especially in a dialogic context, which does not cripple the delivery of the meaning. Therefore, the ideational theme can be realized by " $\not\vdash$ (bi)+NP" or "NP+  $\not\vdash$  (aca/ece)" in Subject-omitted comparatives. What is special in the Mongolian comparative is that Subject is generally marked by the nominative case " $\varphi$ " (no specific case) or the subject marker " $\not\vdash$ " (ni) or " $\not\vdash$ " (gedeg ni)".

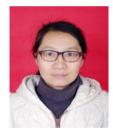
In short, the similarities in Mongolian and Chinese comparatives outweigh their differences in terms of process type and subject theme. However, the detailed features vary in the most delicate systems – within the lexical zone at the stratum of lexicogrammar.

#### IV. CONCLUSION

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