

Congenital Anomalies in Neolithic Lengyel Culture

*Václav Smrčka (1), David Dick (2), Samir Shaded (3),
Zdenka Musilová (4), Kitty Köhler (5), Zdeněk Tvrdý (6)*

^{1,2,3} Institute for History of Medicine and Foreign Languages 1st Faculty of Medicine,
Charles University in Prague, Czech Republic

⁴Municipality of the town Letovice

⁵Research Centre for the Humanities, Institute of Archaeology Hungarian Academy of
Sciences, Budapest

⁶The Moravian Museum, Anthropos Institute, Brno

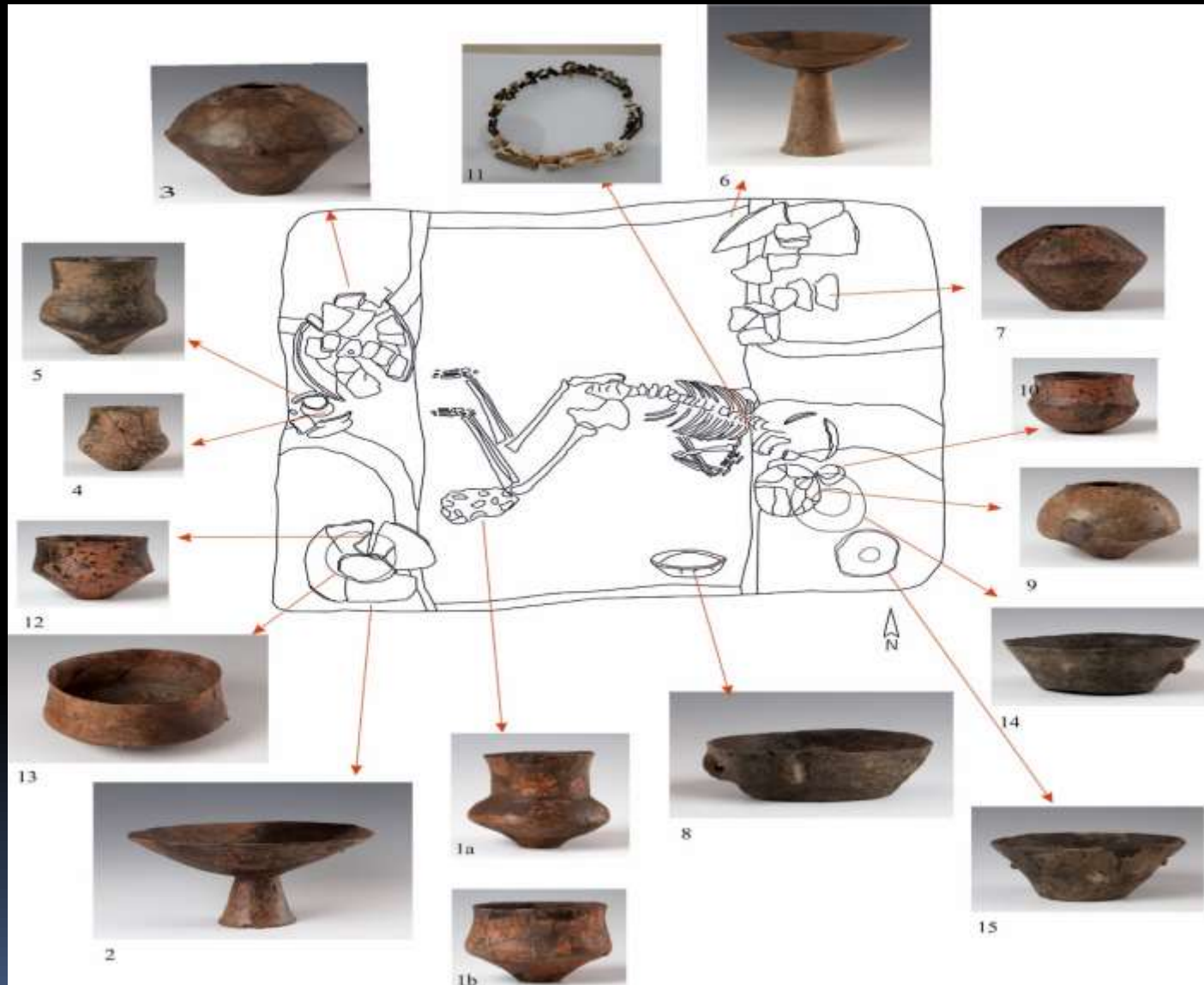
Lengyel Culture

The wave of the Neolithic Lengyel culture (LgC) spread at the end of the Neolithic, from Tolna and the Baranya County of modern day Hungary, through Moravia to today's Poland.



Alsónyék- Bátaszék 2300 graves (Osztás at. Al. 2016)

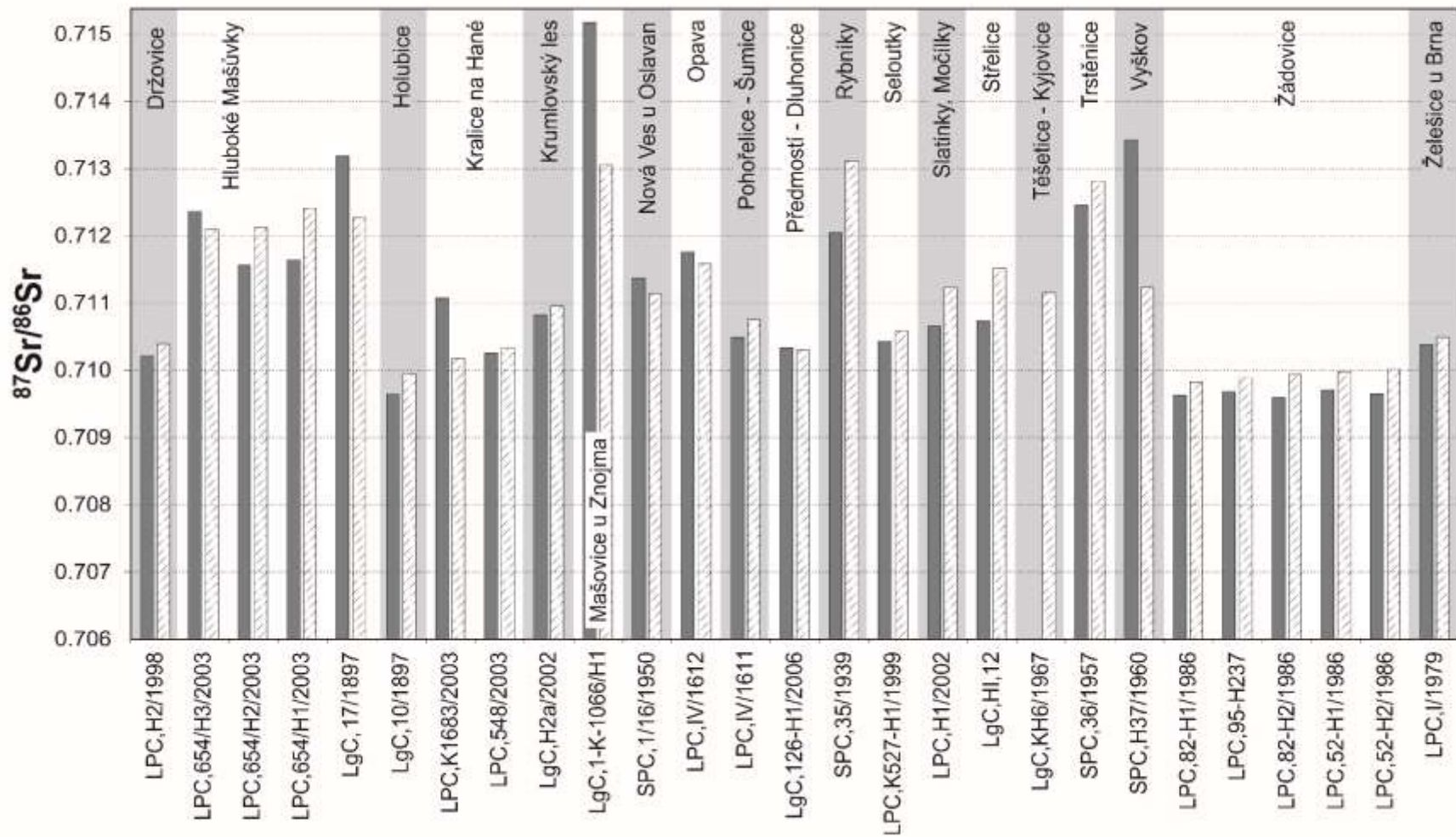
Lengyel Culture



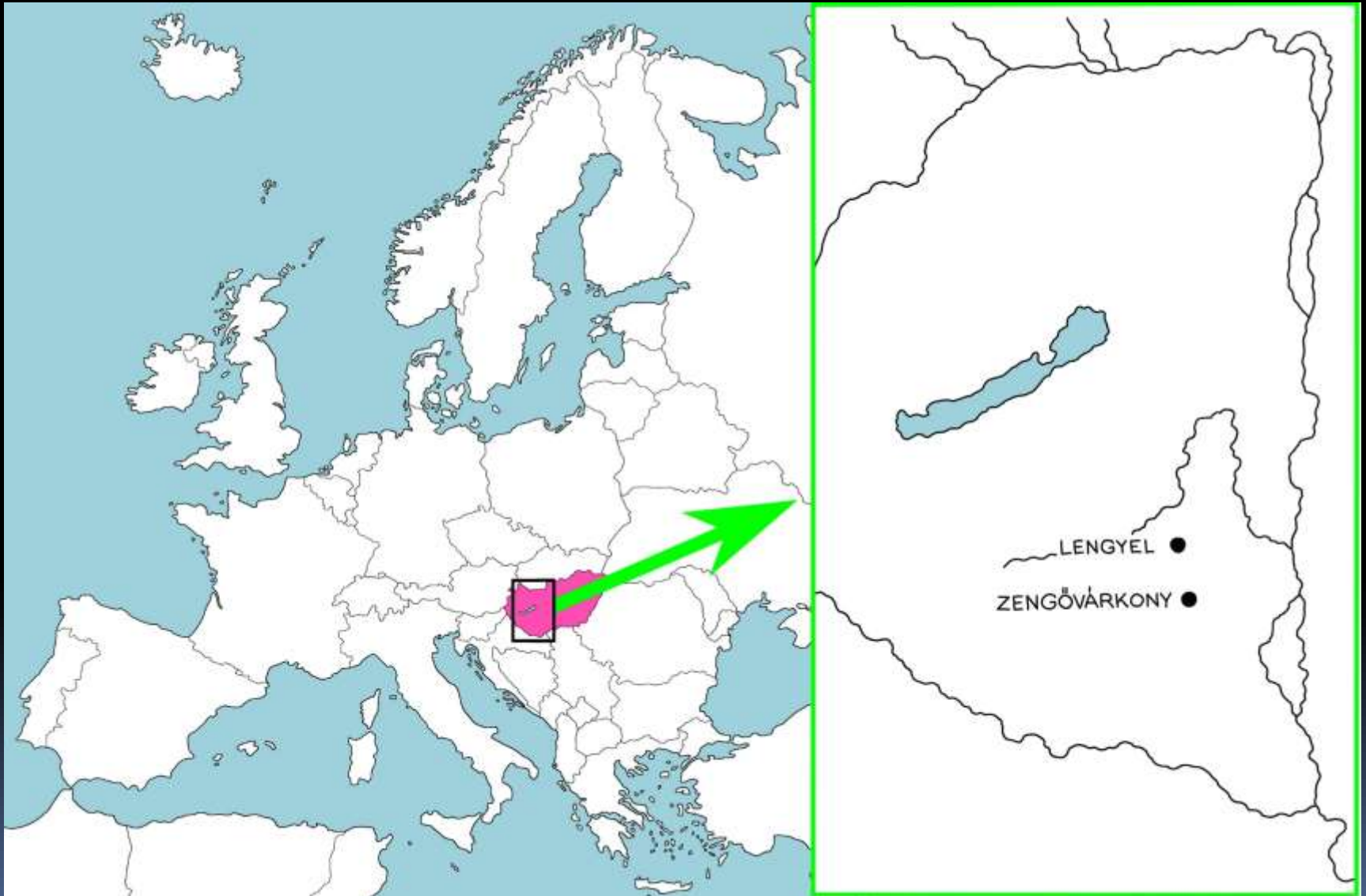
“Lady of Borjád” - the burial of a woman, aged 23-39 (Gáti, Bertók 2015)

MORAVIA

Stable Sr Isotope Analysis



Zengővárkony



Scaphocephaly

Zengövárkony (23-year-old woman, grave No. 7)



Scaphocephaly

Zengövárkony (23-year-old woman, grave No. 7)



Plagiocephaly

Villánykövesd (49-58 year old male, grave No 13)



Plagiocephaly

Male, 49-58 year old
Villánykövesd (grave No
13)



Hydrocephalus

Male, aged 41-45

Villanykövesd (grave no 24)



Metopism



■ Belvágduyla

■ Male, aged 20-40

■ Grave No. 98-155/622



Lower jaw asymmetry & dental anomalies

Child aged 12-13

Villánykövesd, grave no. 12



Congenital wrist amputation

Male, aged 30-59
Zengövárkony, grave no. 345

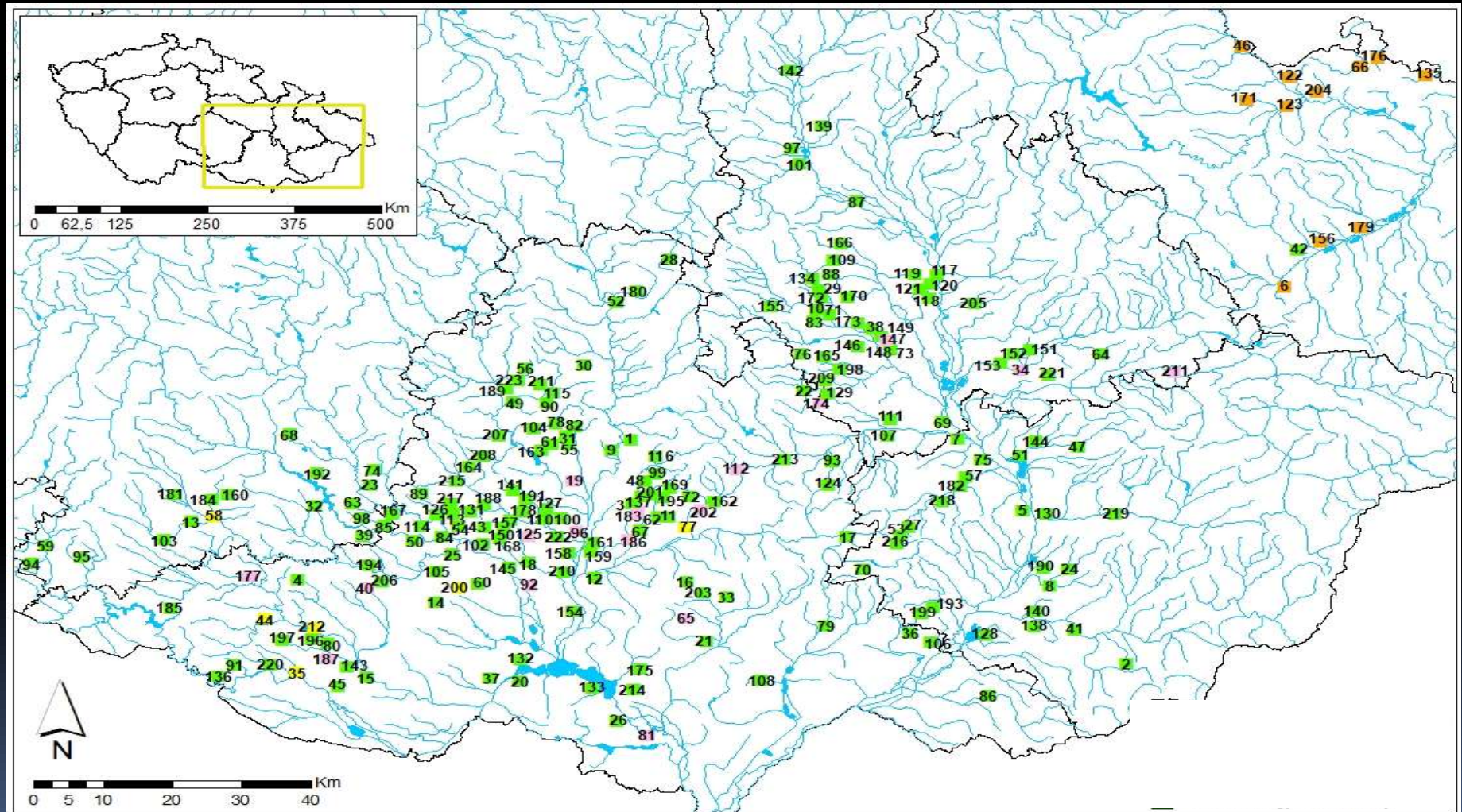


Congenital wrist amputation

Male, aged 30-59
Zengövárkony, grave no. 345



Lengyel Sites Moravia



Moravian Linear Pottery Culture

Klippel-Feil Syndrome

Male, aged 50-59,
Brno, Stary Lískovec (K806/obj.7727/2008)



Moravian LPC

Cervical Congenital Anomalies

5 year old child; Žádovice (grave 52/H11986)



Female, aged 15-17; Mašovice (grave 1/613/2003)



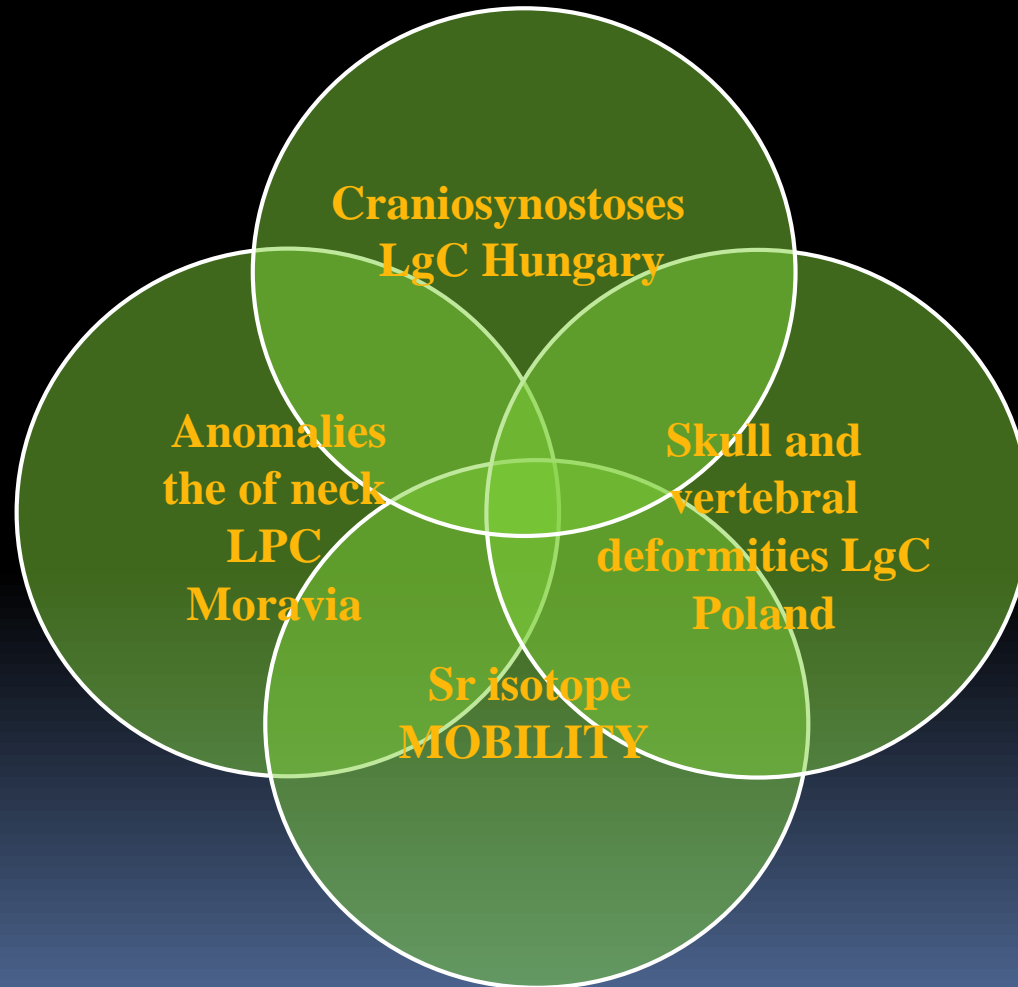
Moravian LgC

Canalis Sacralis Apertus

Female, 20-25 years old; Hnanice near Znojmo



Congenital deformities of axial skeleton in Neolithic populations



CONCLUSION

- The wave of the Neolithic Lengyel culture (LgC) spread at the end of the Neolithic from Tolna and the Baranya County of modern day Hungary, through Moravia to today's Poland.
- Through Sr isotope and paeleopathological analysis of the LgC settlements of Zengővárkony and Villánykövesd in Hungary, and other locations in Moravia, it emerged that these were migrant populations.
- Proof of this are congenital skull defects, mainly craniosynostoses, which affected this population and followed its westward spread.

Thank for your attention