

Comprehensive molecular-pathological diagnostics is essential for the personalized cancer treatment

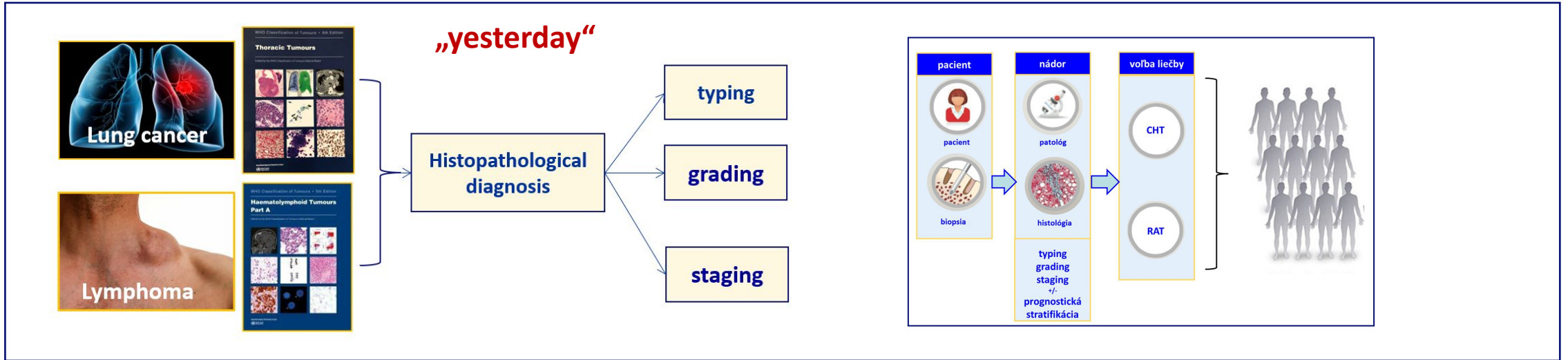
(Bez komplexnej molekulo-patologickej diagnostiky
je liečba pacientov s rakovinou menej úspešná)

Lukáš Plank

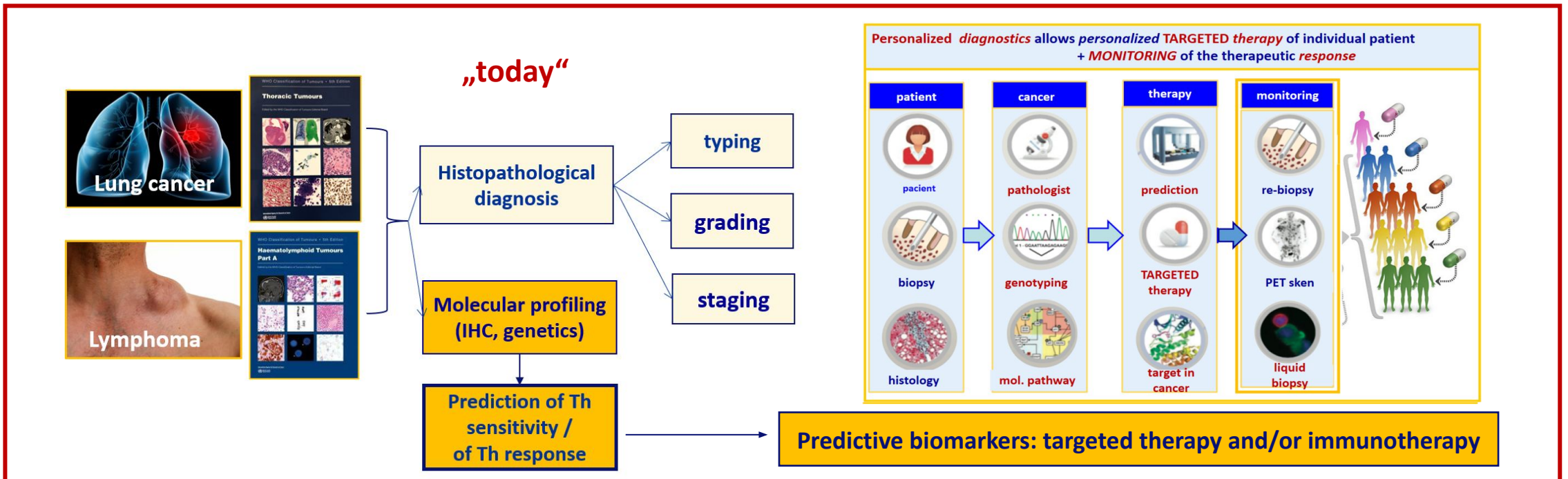
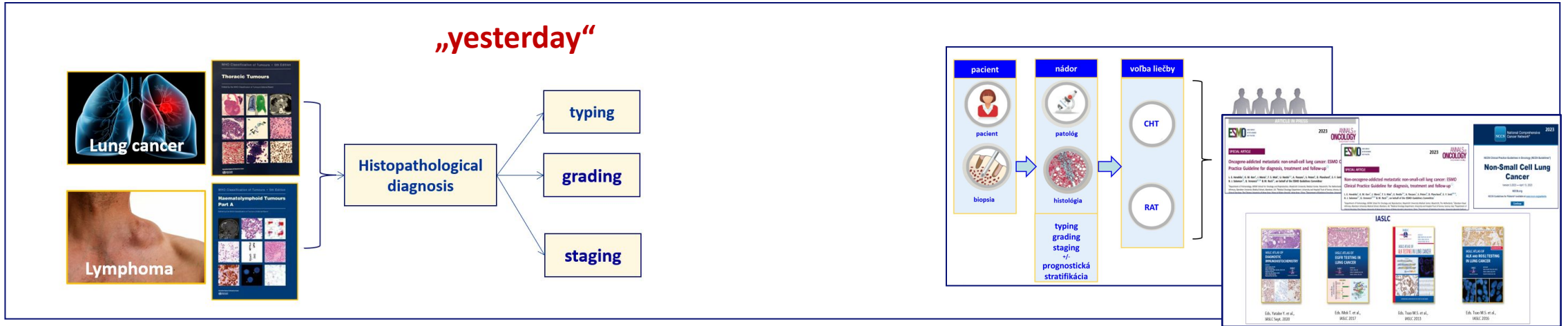
ÚPA JLF UK a UNM a MBC s.r.o., Martin



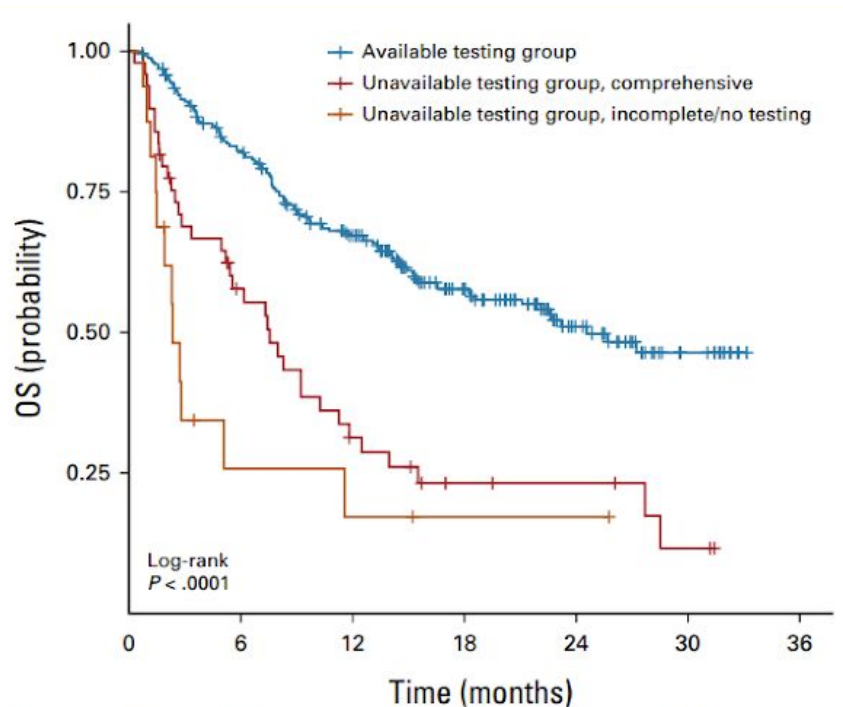
Cancer diagnostics and the pathologist's role



Cancer diagnostics and the pathologist's role to guide the treatment

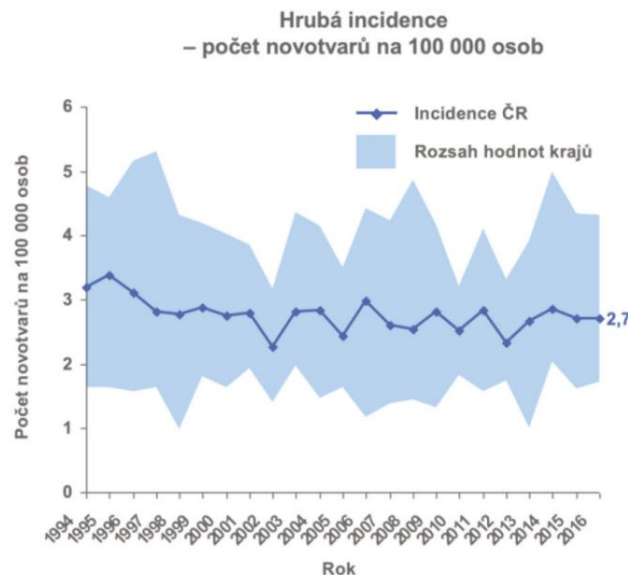


Is it reasonable and beneficial for the patients ?



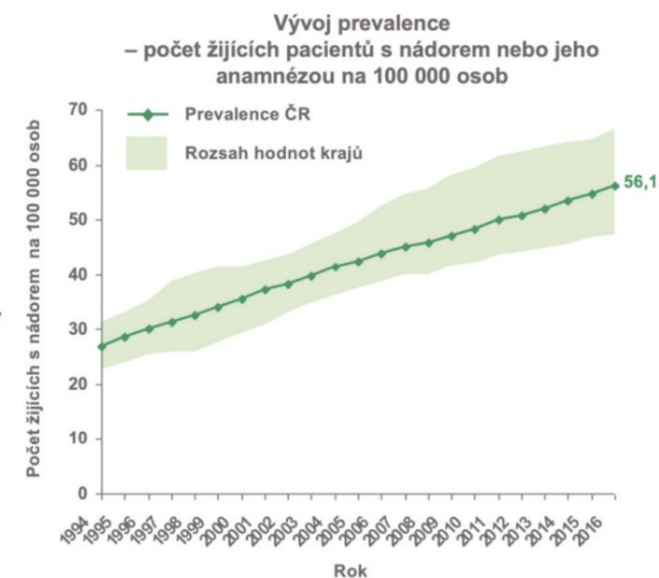
NSCLC patients' overall survival probability depends on the available comprehensive testing results

Agarwall Ch et al., JCO Precis Oncol 7:e230019



Hodgkin lymphoma incidence 1994-2016

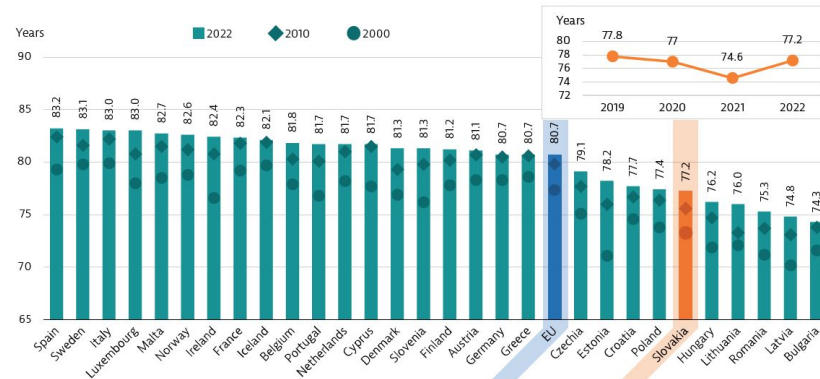
Belada D, Trněný M, et al. Czech Lymphoma Study Group 2023, www.lymphoma.cz



Hodgkin lymphoma patients' prevalence 1994-2016

OECD State of Health in the EU: Slovakia 2023

Figure 1. Life expectancy in Slovakia was 3.5 years below the EU average in 2022



Notes: The EU average is weighted. The 2022 data are provisional estimates from Eurostat that may be different from national data and may be subject to revision. Data for Ireland refers to 2021.
Source: Eurostat Database

Figure 12. A substantial number of deaths could be avoided in Slovakia through public health, prevention and healthcare interventions

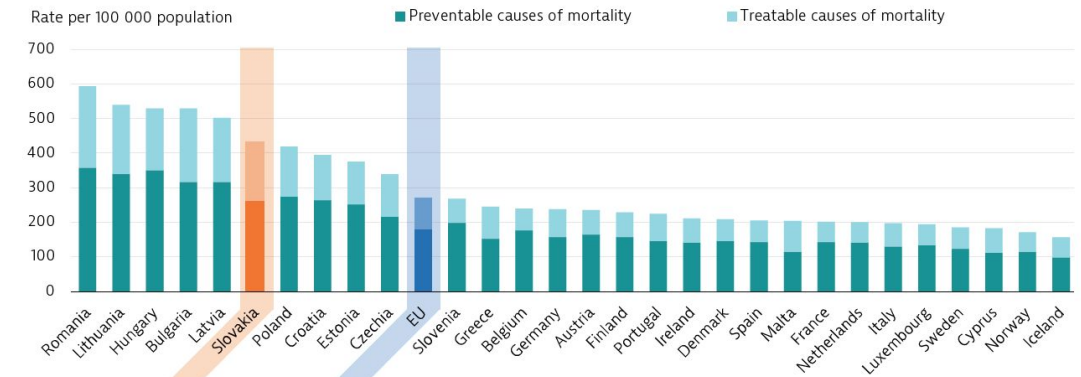
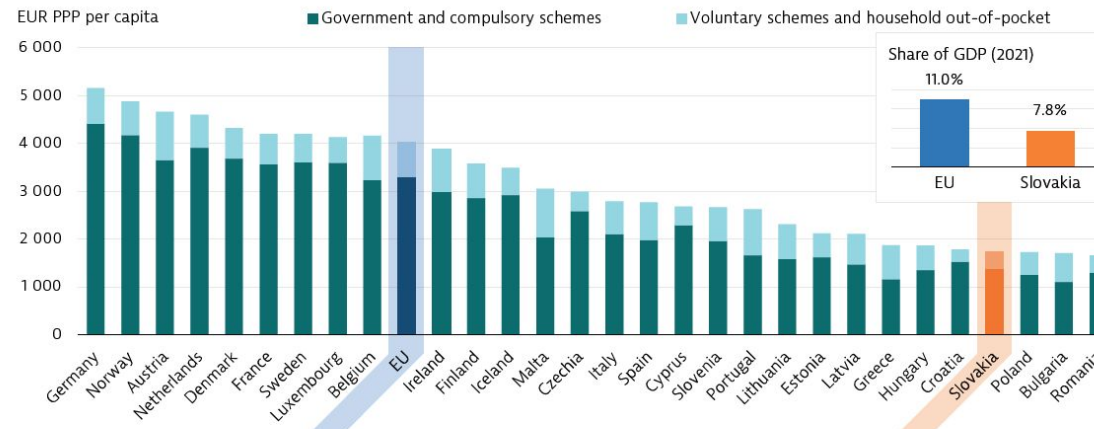


Figure 9. Health spending in Slovakia is among the lowest in the EU both per capita and as a share of GDP



Note: The EU average is weighted.
Source: OECD Health Statistics 2023 (data refer to 2021, except Malta (2020)).



Comprehensive cancer diagnostics in Slovakia: where we are and what we face ?

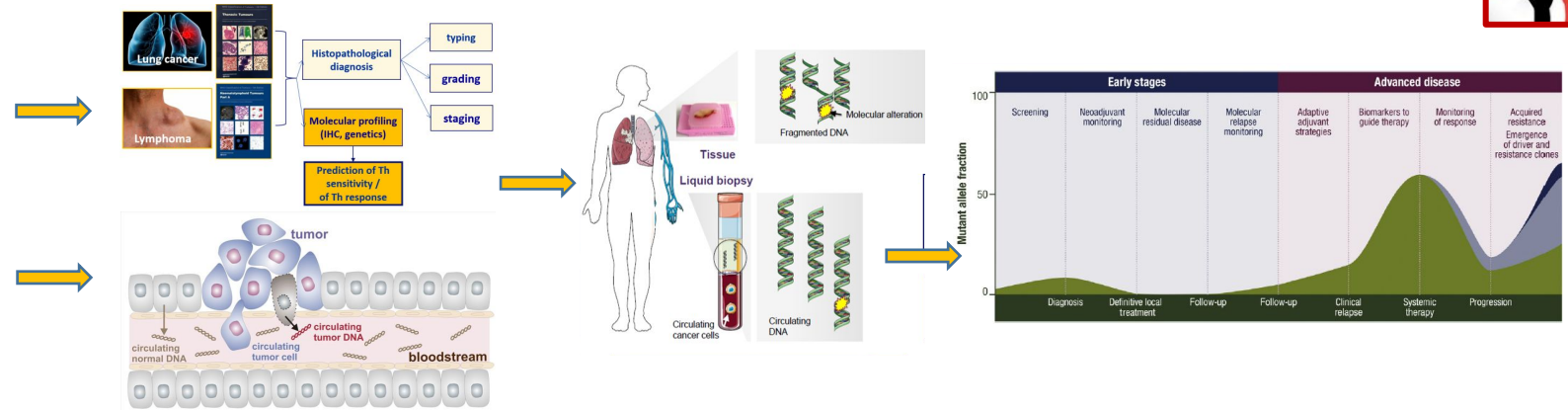


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https://doi.org/10.1007/s00428-020-02757-0

REVIEW AND PERSPECTIVES

The leading role of pathology in assessing the somatic molecular alterations of cancer: Position Paper of the European Society of Pathology

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❖ Personalized precise medicine

- What is available (in Slovakia):
 - essential methods/platforms: IHC, PCR, RT-PCR, NGS, etc...
 - cooperation pathologists + molecular biologists, geneticists, bioinformatician, etc.
 - multidisciplinary teams in some centers
 - guidelines, e.g. ESMO, national, ...
- What we miss (in Slovakia) are conclusive principles
 - of accepted Dx centers network
 - valid principles of reimbursement

