Sanofi and DND*i* an innovative publicprivate partnership

The case of Human African trypanosomiasis and Fexinidazole

Dr. Nathalie Strub-Wourgaft NTD Director May 12, 2021





Born on the frontlines of medical action



When we received the Nobel Peace Prize in 1999, MSF did not have the medicines we needed to carry out our lifesaving work. So, we decided to dedicate a portion of the funds received to launch a brand-new model of R&D.

Four years later, DNDi was born."

DR. BERNARD PÉCOUL

Founding Executive Director, DND*i*. Former General Director of MSF, Doctors Without Borders/ Médecins Sans Frontières



15 YEARS, 8 TREATMENTS, MILLIONS OF LIVES SAVED

Treatments delivered



field-adapted and affordable treatments for 5 diseases (some of them deadly)

R&D pipeline replenished



20+ NCEs

20+ NCE

- 4 million+ compounds screened
- 13 projects in Phase III and registration





Research networks established

- 4 clinical research networks
- COVID-19 Clinical Research Coalition with 350+ members

Global partnerships forged



200+ partner institutions in 40+ countries

Diverse global team mobilized



A diverse global team of 250+ staff

Policies influenced

DND*i*'s model, experience, and lessons learned documented and disseminated

New organization to fight drug-resistant infections

DND*i* joined forces with the World Health Organization (WHO) in 2016 to create the Global Antibiotic R&D Partnership (GARDP)



SLEEPING SICKNESS

Public Health Challenge

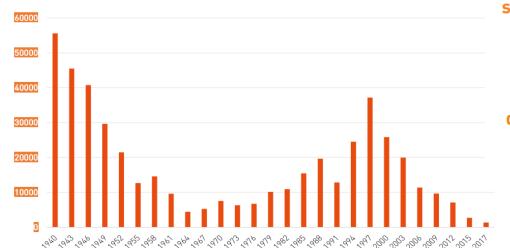


67.5% of the world's sleeping sickness cases in 2018 were reported in the Democratic Republic of Congo



13COUNTRIES in East & Southern Africa are endemic for the *T.b. rhodesiense* strain.





The history of sleeping sickness is one marked by the appearance of deadly epidemics

interspersed by decades where the disease seems largely under control.

Until 2009, treatments were very complex or highly toxic to the point they killed 5% of patients.

> Patients needed to be hospitalized to receive intravenous infusions

> > AND

To undergo a painful lumbar puncture to stage the disease

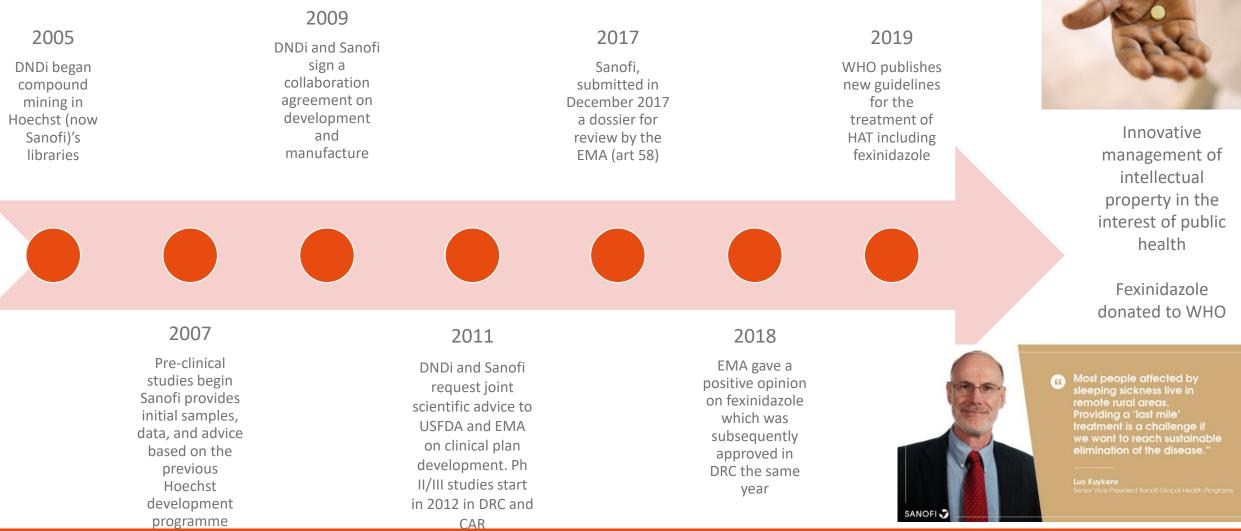


Sleeping sickness is usually fatal if left untreated.

SLEEPING SICKNESS

Sanofi – DND*i* an innovative public-private partnership

A collaboration of more than 15 years for sleeping sickness





SANOFI 🎝

rugs for Neglected Diseases initiati

DND*i*

www.dndi.org



Research and Development

15 years ago MELARSOPROL

Toxic treatment, 'fire in the veins', killed 1 in 20 patients







2009 NECT

Effective & improved therapy but hospital-based and bulky – complex logistics.





2018 FEXINIDAZOLE

A patient-centered, easy-touse medicine, once a day for 10 days

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Recommended in November 2018 by the European Medicines Agency, developed in partnership with:



Year 2023 ACOZIBOROLE – ONE DOSE FOR A CURE?

The first DNDi new chemical entity resulting from its own lead optimization programme to enter clinical development.





Product & Impact

A REVOLUTION in the treatment administration : from a vertical approach with long treatment hospitalization and experienced healthcare workers to an all oral cure which can be taken at home

In DRC only, end of 2020 : -> 45 % of new HAT cases treated with fexinidazole -> Close to 500 healthcare professionals trained to deliver Fexinidazole -> Close to 200 primary healthcare facilities ready to treat diagnosed patients



Efficacious for both stages of the disease for adults AND children





Fexinidazole will contribute to the elimination of the disease as a public health problem
Together with Acoziborole, we believe that the ultimate goal of elimination of disease
transmission by 2030 has never been closer to

realization

Ending the neglect to attain the Sustainable Development Goals Aroad map for neglected tropical diseases 2021-2030 Overview

World Health

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As of April 2021, in DRC, 100% of eligible patients received fexinidazole and for the first time some patients were treated on an outpatient basis

