

# **Lack of research on an endemic noncommunicable disease in Honduras: the case of Mesoamerican Nephropathy (MeN), a bioethical perspective.**

**Dr. Guímel Peralta, Dr. Tatiana Carozzo**

*Central American Technological University (UNITEC), Honduras*



# Vulnerable population: strenuous work in rural areas







Estimated  
Prevalence  
2-50%

Nefrologia. 2021;41:612-9

---

Keogh SA, Leibler JH, Sennett Decker CM, et al. High prevalence of chronic kidney disease of unknown etiology among workers in the Mesoamerican Nephropathy Occupational Study. BMC Nephrol. 2022;23(1):238. doi: 10.1186/s12882-022-02861-0.

# Equity and Justice

75

Studies about MeN  
in the last 5 years

42,800

Studies about Alzheimer's  
disease in the last 5 years



# Ethical Challenges

No purchasing power

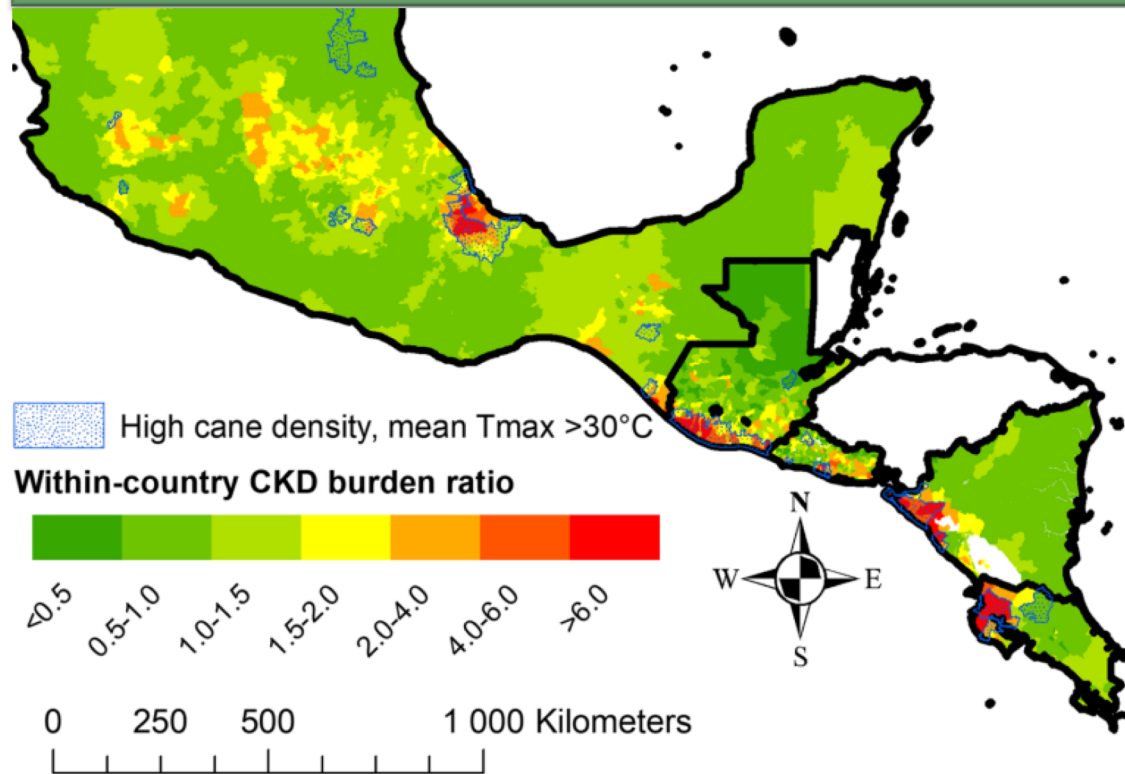


Poor access to healthcare



# Ethical Challenges

No governmental fundings for research



Colonization of research

## Chronic Kidney Diseases in Agricultural Communities Report from a Workshop

Susan R. Mendley<sup>1</sup>, Adeera Levin<sup>2</sup>, **Ricardo Correa-Rotter**<sup>3</sup>, Bonnie Joubert<sup>4</sup>, Elizabeth Whelan<sup>5</sup>, Brian Curwin<sup>5</sup>, Erik Koritzinsky<sup>4</sup>, Denise Gaughan<sup>1</sup>, Paul L. Kimmel<sup>1</sup>, Shuchi Anand<sup>6</sup>, Pedro Ordunez<sup>7</sup>, Ludovic Reveiz<sup>7</sup>, Diane S. Rohlman<sup>8</sup>, Carla Saenz<sup>7</sup>, Madeleine K. Scammell<sup>9</sup>, Robert O. Wright<sup>10</sup>, Robert A. Star<sup>1</sup>

<sup>1</sup>Division of Kidney, Urologic, and Hematologic Diseases, National Institute of Diabetes and Digestive and Kidney Diseases, NIH (US)

<sup>2</sup>University of British Columbia (Canada)

<sup>3</sup>Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán (Mexico)

<sup>4</sup>Population Health Branch, National Institute of Environmental Health Sciences, NIH

<sup>5</sup>National Institute for Occupational Safety and Health, CDC (US)

<sup>6</sup>Stanford University School of Medicine

<sup>7</sup>Pan American Health Organization

<sup>8</sup>College of Public Health, University of Iowa

<sup>9</sup>Boston University School of Public Health

<sup>10</sup>Mount Sinai School of Medicine

Keogh SA et al. High prevalence of chronic kidney disease of unknown etiology among workers in the Mesoamerican Nephropathy Occupational Study. BMC Nephrol. 2022;23(1):238.

Mendley, Susan R et al. Chronic kidney diseases in agricultural communities: report from a workshop. Kidney international. 2019;96(5): 1071-1076.

# Criteria and Goals

## Direct Benefits

- ✓ Early diagnosis
- ✓ Better treatment options
- ✓ Less mortality

## Indirect Benefits

- ✓ Working force
  - ✓ Reduce healthcare costs for dialysis
  - ✓ Reduce economic burden on families
-



# Why MeN is not a priority yet?

Government



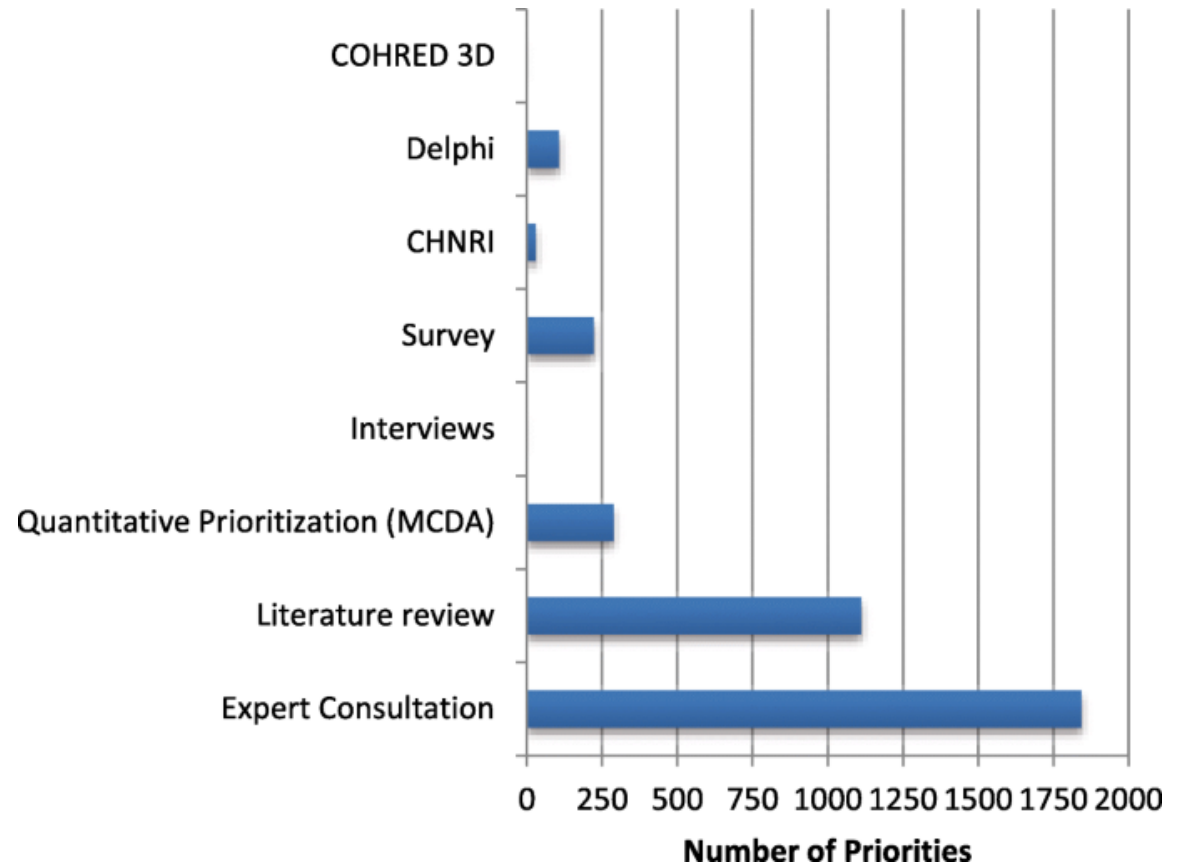
Profitability



# What about Non-governmental organizations?

86% expert consultation method

Local stakeholders participation is limited



# Global and Local

RESEARCH

Open Access



## High prevalence of chronic kidney disease of unknown etiology among workers in the Mesoamerican Nephropathy Occupational Study

Sinead A. Keogh<sup>1</sup>, Jessica H. Leibler<sup>1</sup>, Caryn M. Sennett Decker<sup>1</sup>, Juan Jose Amador Velázquez<sup>1,2</sup>, Emmanuel R. Jarquin<sup>3</sup>, Damaris Lopez-Pilarte<sup>1,2</sup>, Ramon Garcia-Trabanino<sup>3,4,5</sup>, Iris S. Delgado<sup>1,2</sup>, Zoe E. Petropoulos<sup>1</sup>, David J. Friedman<sup>6</sup>, Magaly Rosario Amador Sánchez<sup>1,2</sup>, Raul Guevara<sup>3</sup>, Michael D. McClean<sup>1</sup>, Daniel R. Brooks<sup>2</sup> and Madeleine K. Scammell<sup>1\*</sup>

Only 2  
countries

Only 3 local  
stakeholders



# Why local participation is important?

Decolonization of funding



Priorities focused on future policies



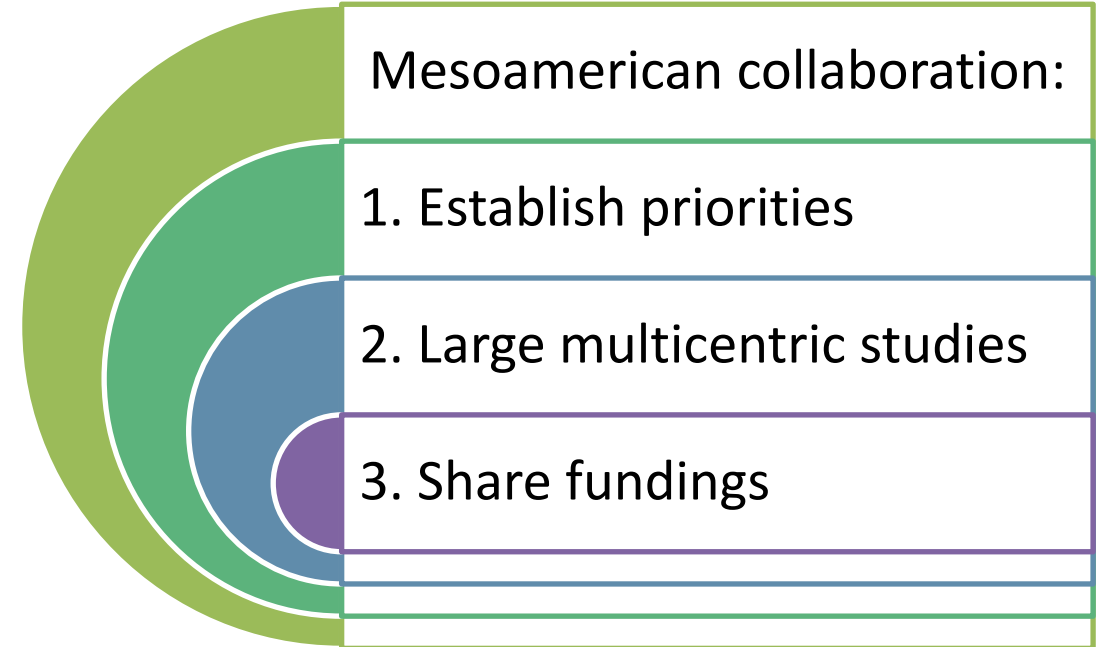
## Education of local healthcare workers



## Education of population



# What do we recommend?





# How to establish priorities?



International collaboration  
with more power to local  
stakeholders

James Lind Alliance method



# Equity Lens



---

**Aknowledgements**

GFBR Planning Committee  
Adrienne Hunt