

Yale SCHOOL OF PUBLIC HEALTH

Epidemiology of Microbial Diseases

EMD Seminar Series

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Chair No 17 Chilean Academy of Medicine

"Rotavirus, Norovirus, Poliovirus and Helicobacter pylori: What do they have in common and what is new?"

These four diverse enteric pathogens share the possibility for prevention through vaccination. Rotavirus vaccines were implemented 11 years ago with a significant impact in reducing disease burden but efficacy/effectiveness varies by region and possible reasons will be discussed. Norovirus is the new enteric virus leader in countries with widespread rotavirus vaccination and a number of vaccine candidates are being evaluated; most advanced candidates will be discussed. Live attenuated poliovirus vaccines (OPVs) have been critical for the massive reduction of polio, but eradication will require a progressive switch from OPV to inactivated poliovirus (IPV), which requires several research approaches; the Chilean OPV/IPV trial will be briefly discussed. Finally, Helicobacter pylori the main cause for gastric cancer in adults has been minimally characterized in children. Infection dynamics will be presented and the effect of early infection on clinical and immune/genetic parameters will be discussed envisioning a possible role for childhood vaccination.

12:00 PM Wednesday, October 25, 2017

LEPH 216, 60 College Street

Host: D. Weinberger and S. Parikh