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Diagnosis, prevention and treatment of acute respiratory infections

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Diagnosis, prevention and treatment of acute respiratory infections

1. The clinical impact of respiratory viral infections in solid organ transplant recipients is substantial. This underscores the critical need for effective vaccination. (this thesis)
2. Seasonal influenza vaccination had a low effectiveness in preventing PCR-confirmed symptomatic influenza in a hospital-based test-negative case-control study of solid organ transplant recipients. If confirmed, the current vaccination strategy needs to be reviewed. (this thesis)
3. Respiratory viral infections do not lead to rejection in transplant recipients of organs other than the lung. (this thesis)
4. When faced with limited vaccine stockpiles at the start of a pandemic, emergency mass vaccination with fractional doses could have a better public health outcome than vaccinating fewer individuals with the standard dose. (naar Wiecek et al. Proc Natl Acad Sci U S A. 2022;119(8))
5. As soon as new vaccines are confirmed safe, dose-sparing strategies should be assessed to improve both access to vaccines and worldwide immunity during future pandemics. (naar Roozen et al. Lancet Glob Health. 2022 Apr;10(4))
6. Microneedle patches remain a promising alternative to conventional needle-based vaccination, with the potential to enhance patient compliance, particularly among individuals with needle anxiety. (this thesis)
7. The designed ankyrin repeat protein platform represents a promising approach to target emerging viral pathogens, offering flexibility for future antiviral strategies, particularly for early-stage therapy. (this thesis)
8. Acute care starts even before the patient has reached the emergency department.
9. Curbing an uncontrolled infectious disease outbreak during a pandemic is a marathon, not a sprint; it does not only requires a solid scientific strategy but also social solidarity to guarantee a lasting success. (naar Bill Hanage, 2024)
10. "Alone we can do so little; together we can achieve so much more" is especially true in research. (naar Helen Keller)
11. Dance is the joy of movement and the essence of my life.