

Be COVID Correct: Vaccine Facts vs. Fiction

Medical miracle or rushed experiment? Since mRNA and other COVID-19 vaccines became available under emergency use authorization and later as fully Food and Drug Administration-approved vaccines, clinicians faced an onslaught of emergent information — and misinformation — about their development, use, and efficacy. In a two-part series, an expert settles the science behind the vaccines.

This CE course is relevant to all healthcare professionals.

Episode 1 – COVID-19 Vaccine Development

Among some patients and providers alike, skepticism has surrounded the development of vaccines for COVID-19 and how they work. Help your patients and colleagues overcome their doubts with state-of-the-science information.

Guest

Daniel Griffin, MD, PhD

- Board-certified in internal medicine and infectious disease
- Expertise in global health, tropical medicine, parasitology, and virology
- International speaker for organizations such as the University of Glasgow, the University of Minnesota, the Peace Corps, the Foundation for International Medical Relief for Children, Floating Doctors, and Remote Care Education
- Podcast co-host of *This Week in Virology* by the American Society for Microbiology
- Co-author, *Parasitic Diseases*, 7th edition

Host

Deborah Martin, DNP, MBA, RN, NE-BC, FACHE

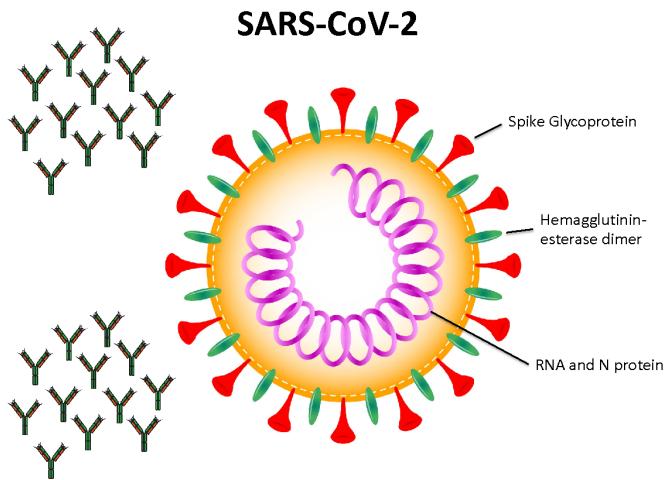
- Director of Learning Innovation, Elite Learning
- Certified nurse executive and fellow of the American College of Healthcare Executives
- More than 25 years in healthcare, including as system director of professional practice and development at a large healthcare system

Reviewer

Lisa Simani, APRN, MS, ACNP

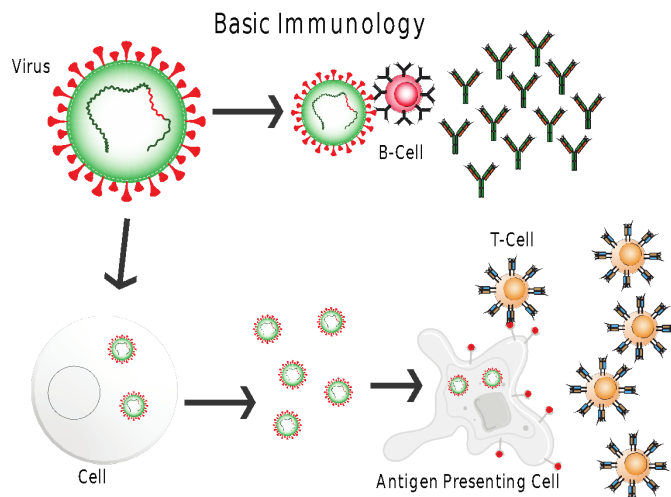
- Editor, Nurse Regulatory/Compliance Planner for Elite Learning
- 20 years of publishing experience
- Lead author of peer-reviewed articles for print- and web-based nursing continuing education provider companies

Episode Key Points

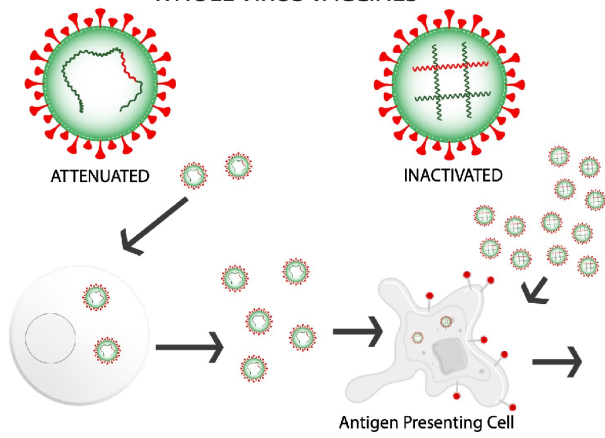


Vaccine Study Phases

- **Phase 1 Safety Trials** are small safety trials with some confirmation that the vaccine stimulates the immune system.
- **Phase 2 Expanded Trials** move this up to hundreds of people and a broader age range and again look at safety and immune stimulation.
- **Phase 3 Efficacy Trials** are placebo-controlled trials that look at efficacy and less common side-effects.

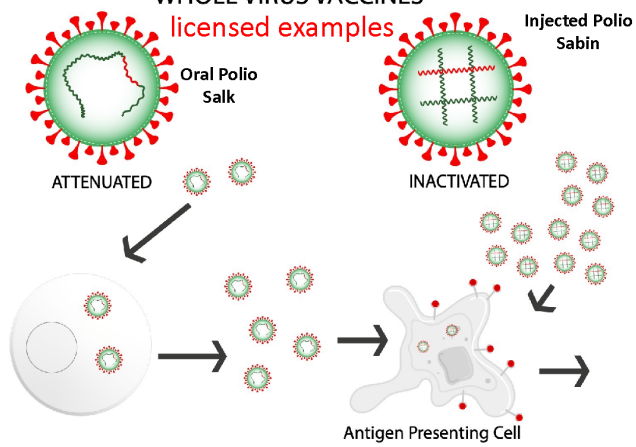


WHOLE VIRUS VACCINES

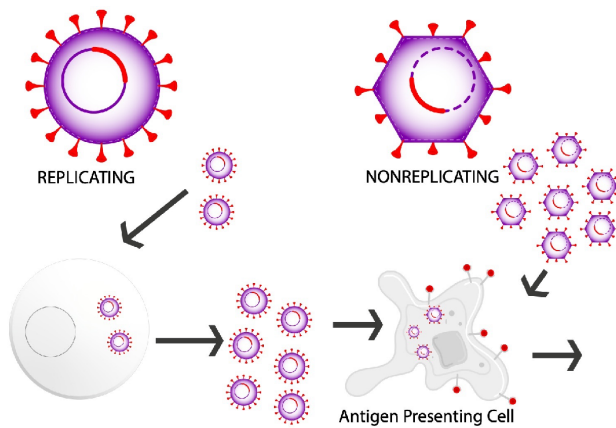


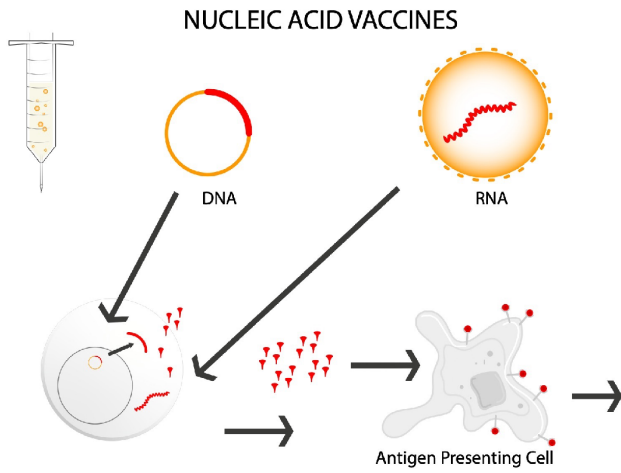
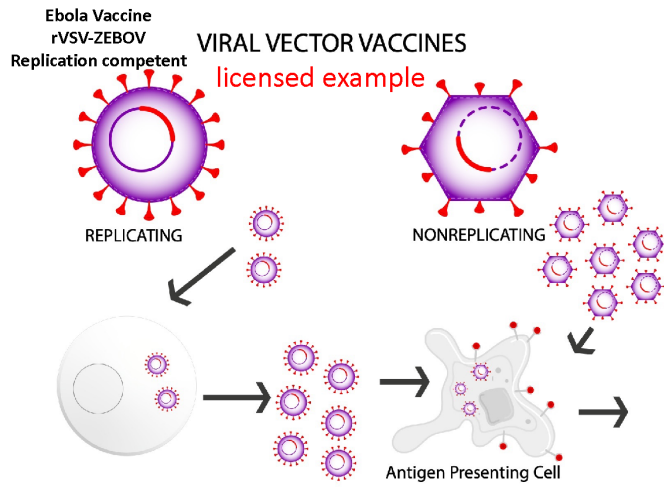
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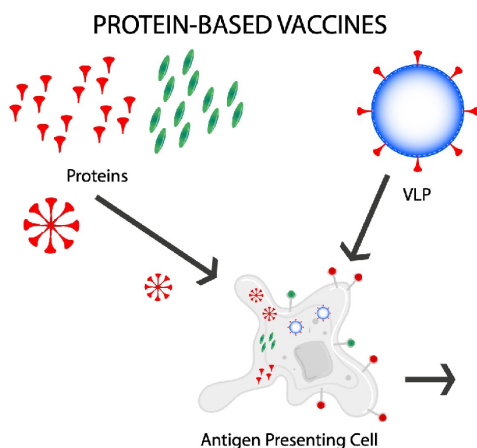
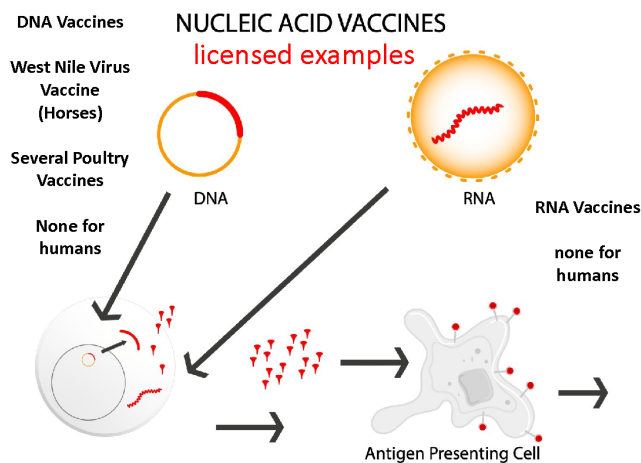
licensed examples



VIRAL VECTOR VACCINES







References

- Griffin, D. O., Brennan-Rieder, D., Ngo, B., Kory, P., Confalonieri, M., Shapiro, L., Iglesias, J., Dube, M., Nanda, N., In, G. K., Arkfeld, D., Chaudhary, P., Campese, V. M., Hanna, D. L., Sawcer, D., Ehresmann, G., Peng, D., Smorgorzewski, M., Amstrong, A., . . . Marik, P. (2021). The importance of understanding the stages of COVID-19 in treatment and trials. *AIDS Reviews*. <https://doi.org/10.24875/AIDSRev.200001261>
- Griffin, D. O., Jensen, A., Khan, M., Chin, J., Chin, K., Saad, J., Parnell, R., Awwad, C., & Patel, D. (2020a). Cytokine storm of a different flavor: The different cytokine signature of SARS-CoV2 the cause of COVID-19 from the original SARS outbreak. *Journal of Global Antimicrobial Resistance*. <https://doi.org/10.1016/j.jgar.2020.11.005>
- Griffin, D. O., Jensen, A., Khan, M., Chin, J., Chin, K., Saad, J., Parnell, R., Awwad, C., & Patel, D. (2020b). Pulmonary embolism and increased levels of d-Dimer in patients with coronavirus disease. *Emerging Infectious Diseases*, 26(8), 1941-1943. <https://doi.org/10.3201/eid2608.201477>

Lyng, G. D., Sheils, N. E., Kennedy, C. J., Griffin, D. O., & Berke, E. M. (2021). Identifying optimal COVID-19 testing strategies for schools and businesses: Balancing testing frequency, individual test technology, and cost. *PLoS One*, 16(3), e0248783. <https://doi.org/10.1371/journal.pone.0248783>

Warkentin, T. E., Weisser, K., Kyrle, P. A., & Eichinger, S. (2021). Thrombotic thrombocytopenia after ChAdOx1 nCov-19 vaccination. *New England Journal of Medicine*, 384(22), 2092-2101. <https://doi.org/10.1056/NEJMoa2104840>

Resources

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[Email Dr. Griffin](#)

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