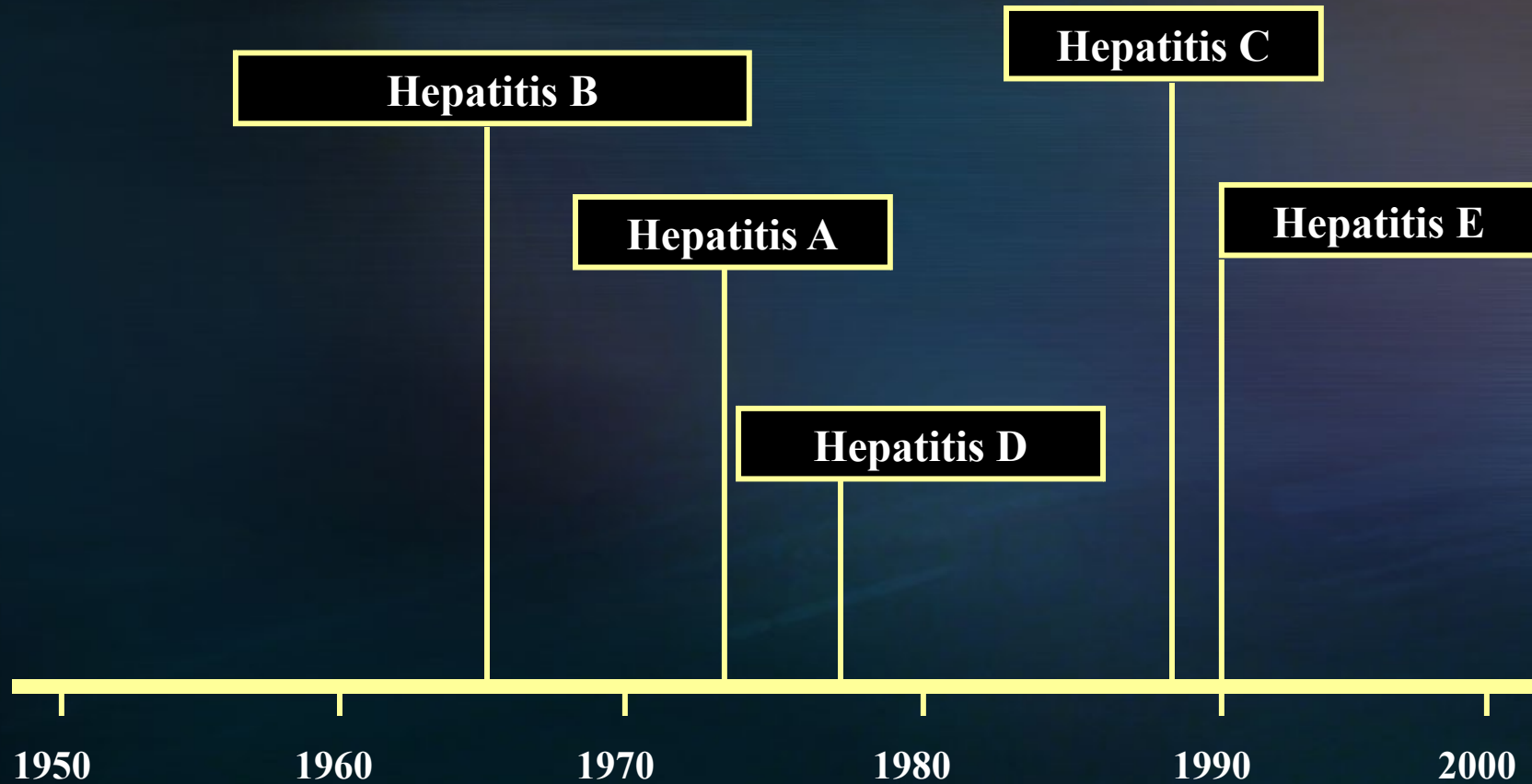


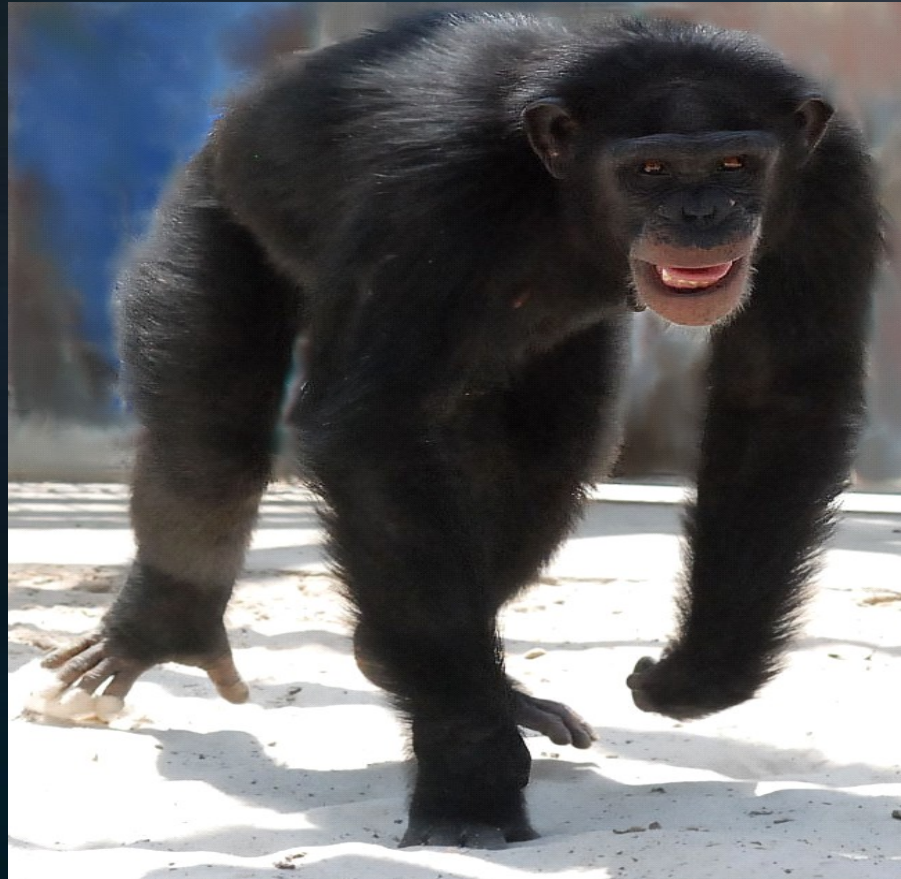
Viral Hepatitis: The Past and the Future

Eugene R. Schiff, M.D., MACP, FRCP, MACG, AGAF, FAASLD
Director, Schiff Center for Liver Diseases
Director, Hepatology Research Laboratory
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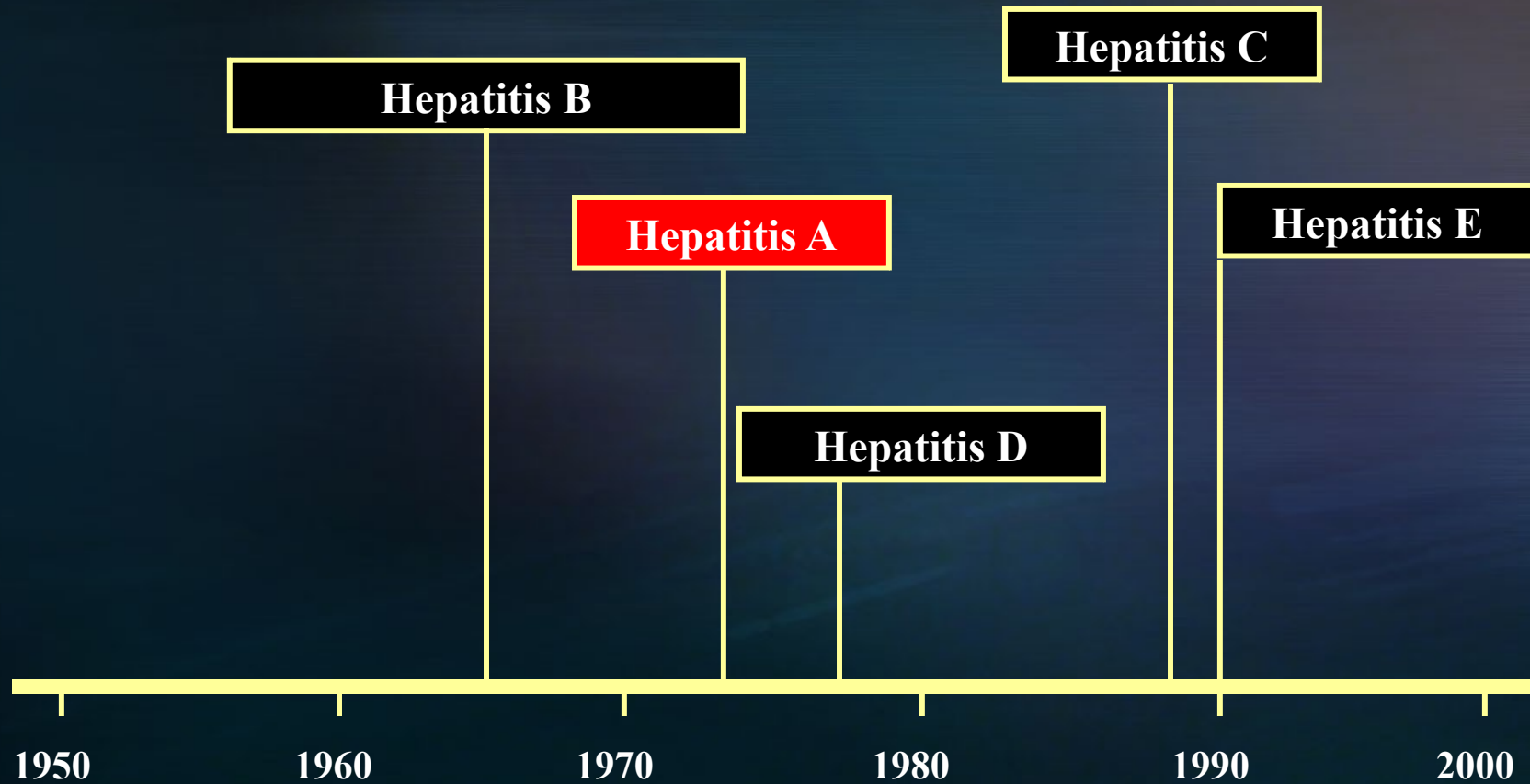
MILESTONES IN THE IDENTIFICATION OF HEPATITIS VIRUSES



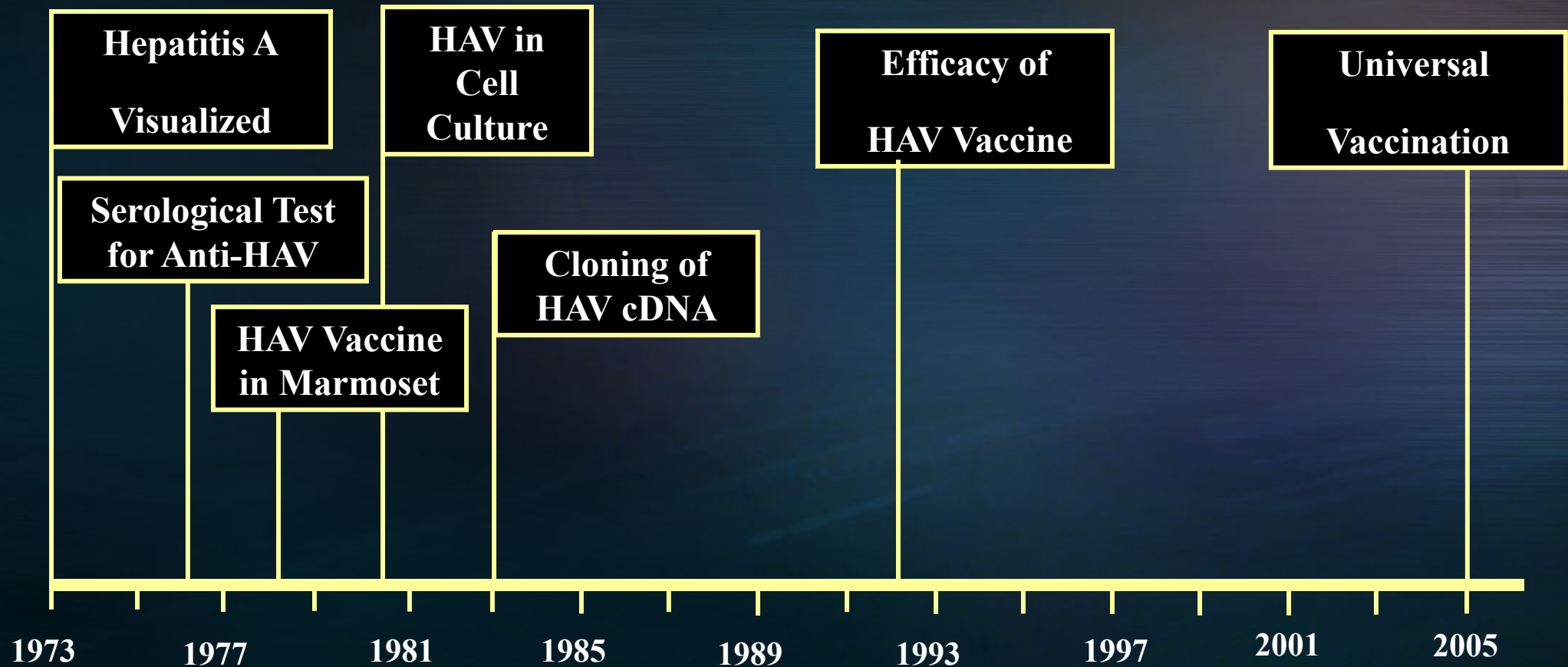
Daphne



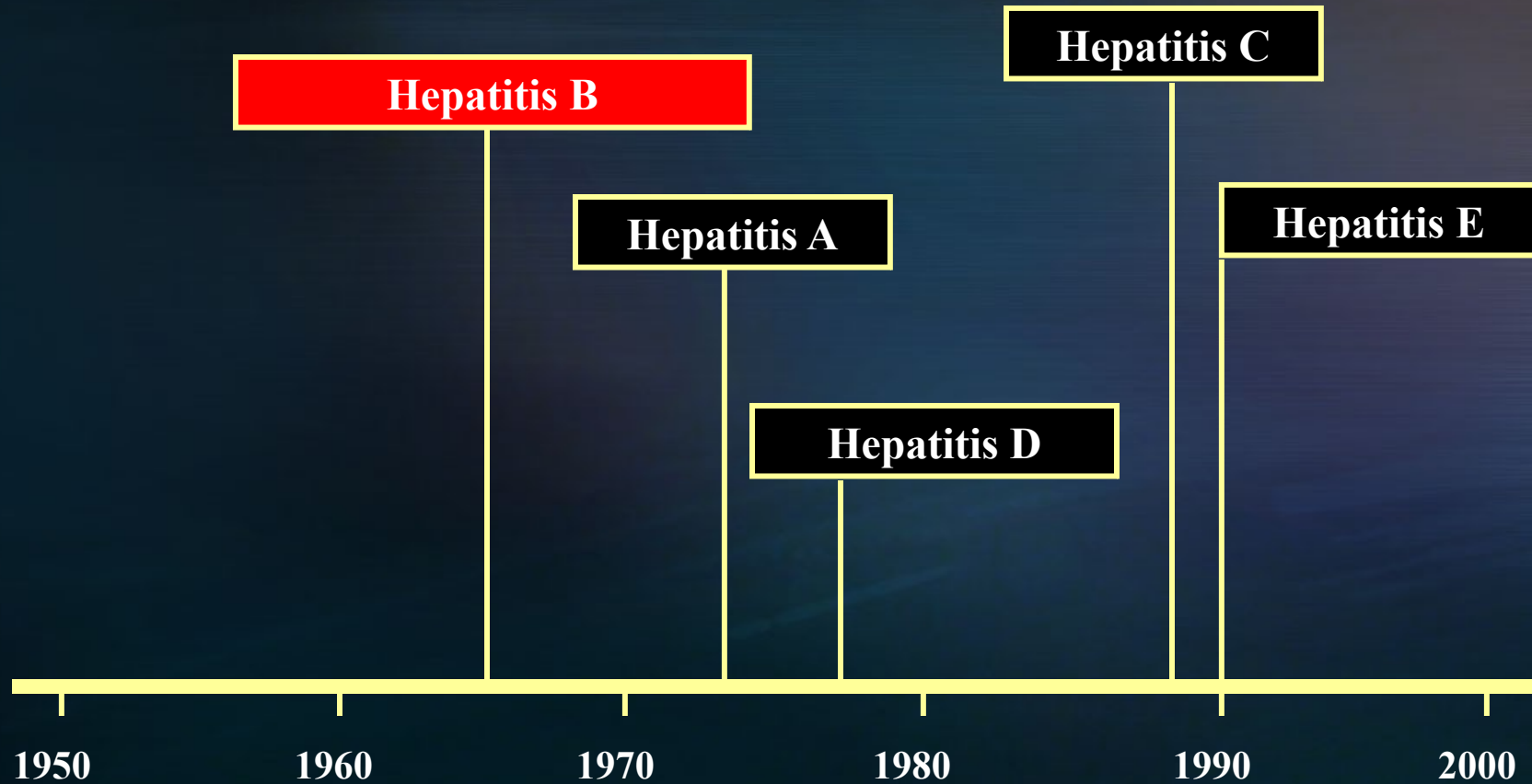
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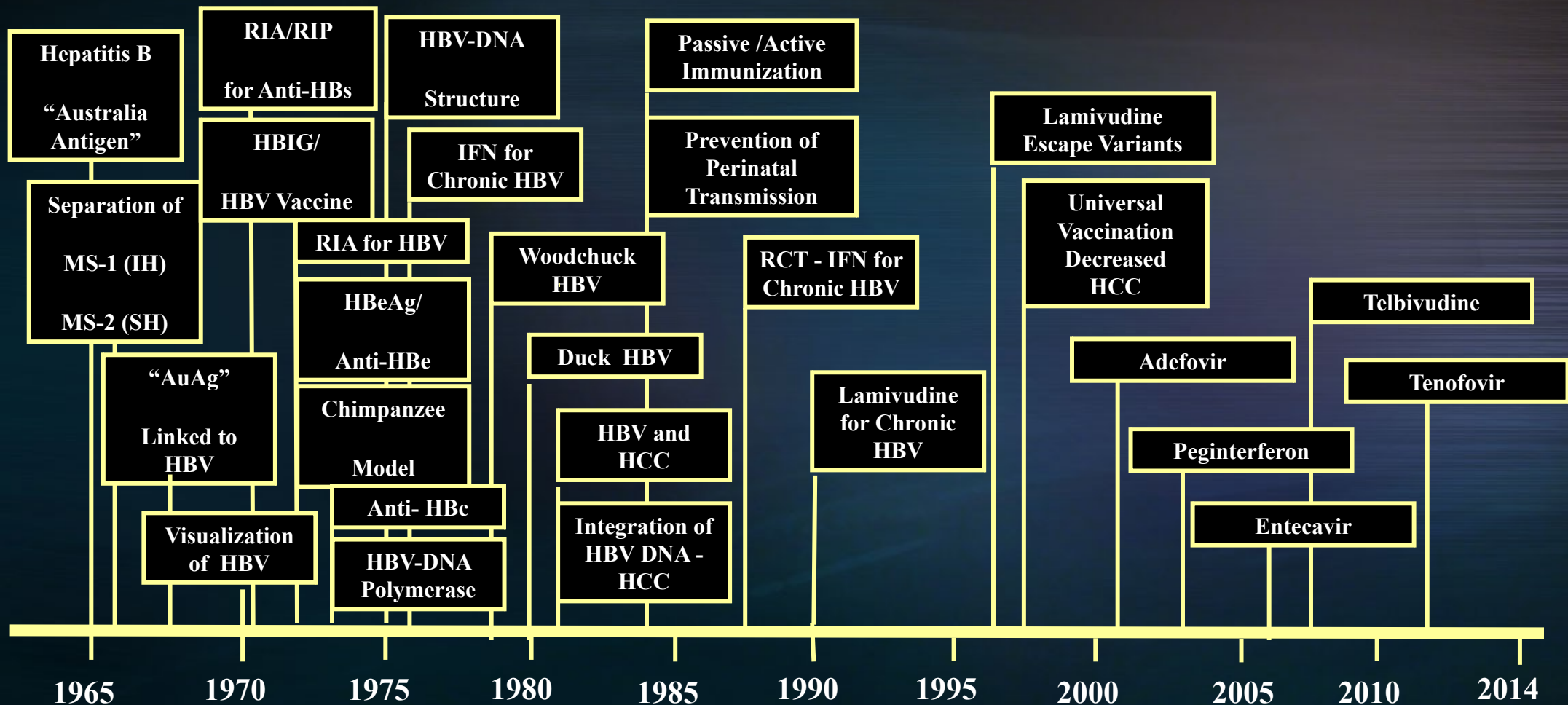
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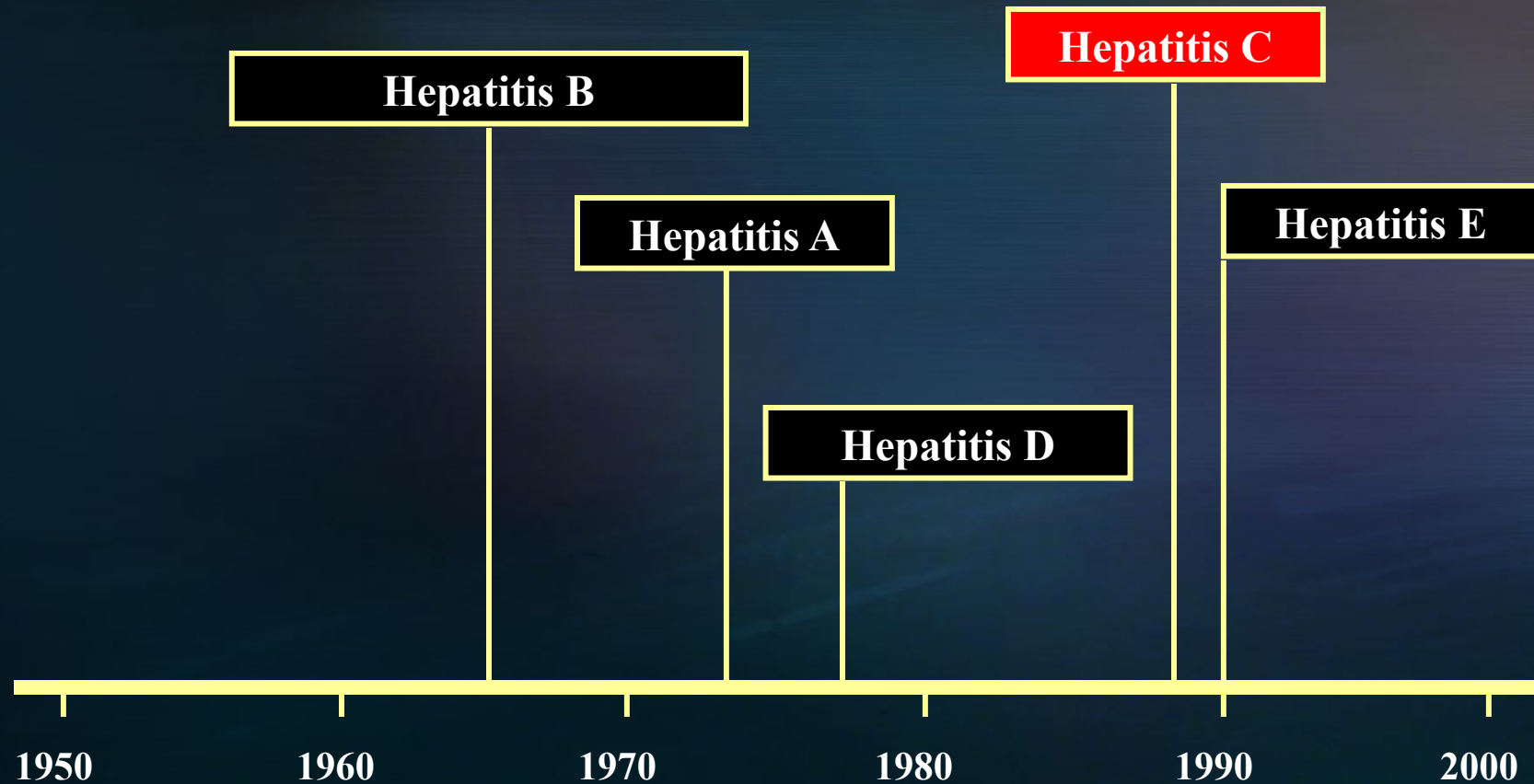
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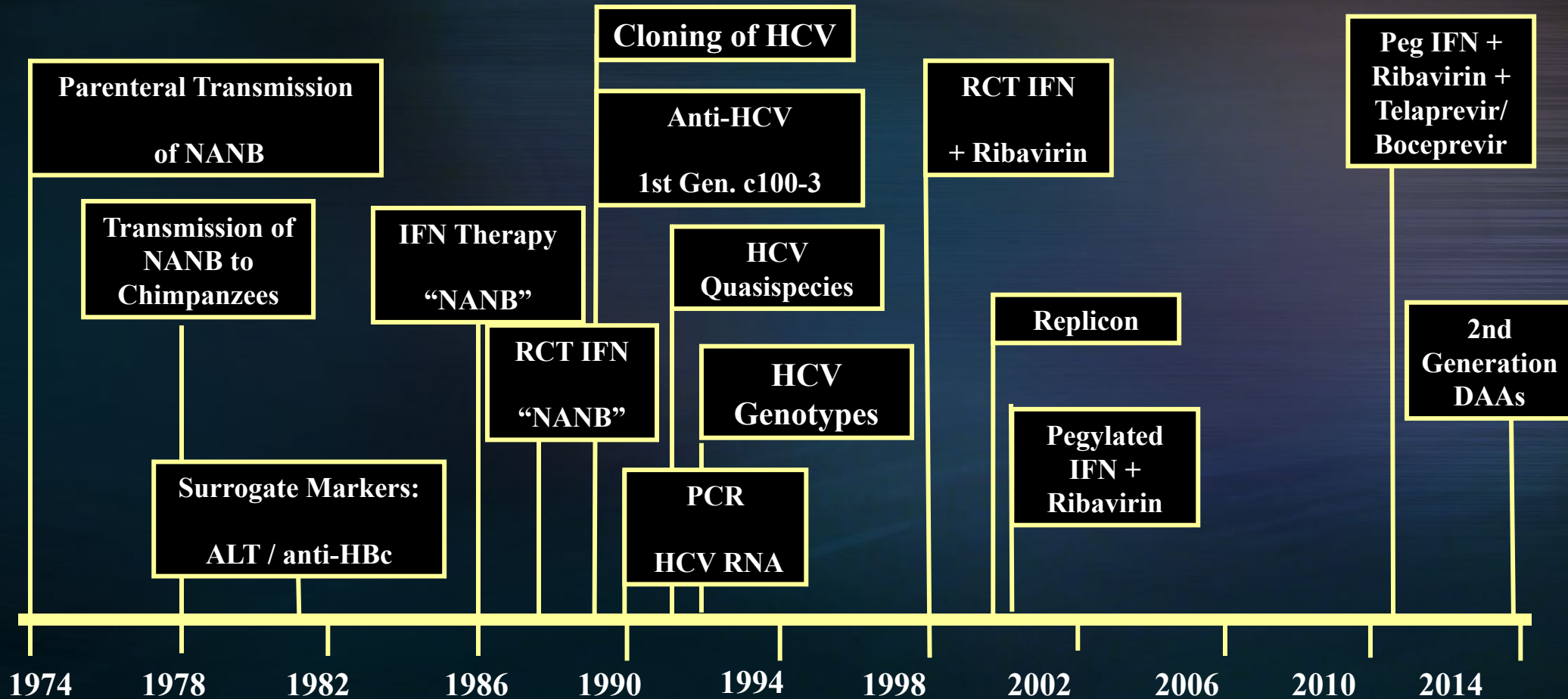
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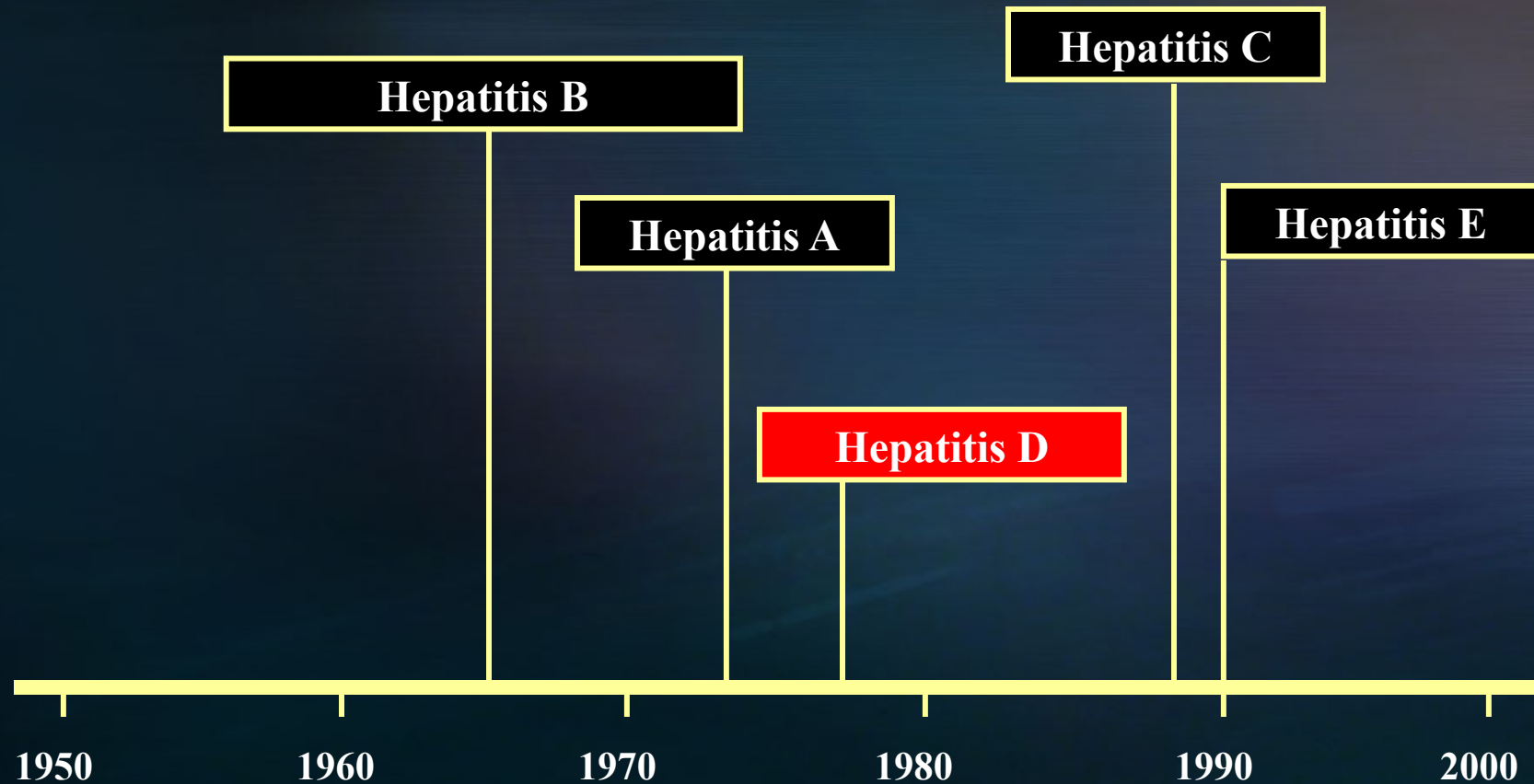
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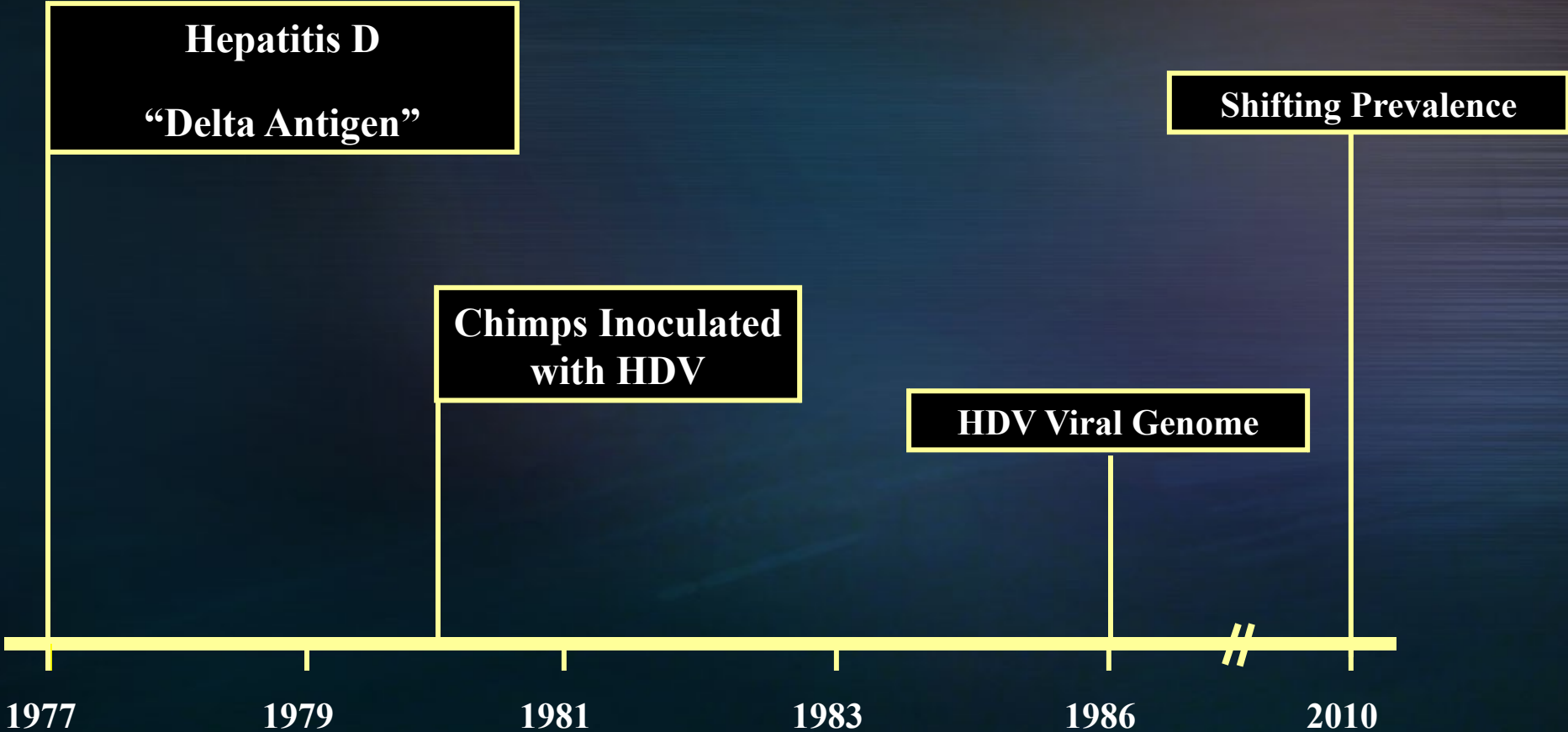
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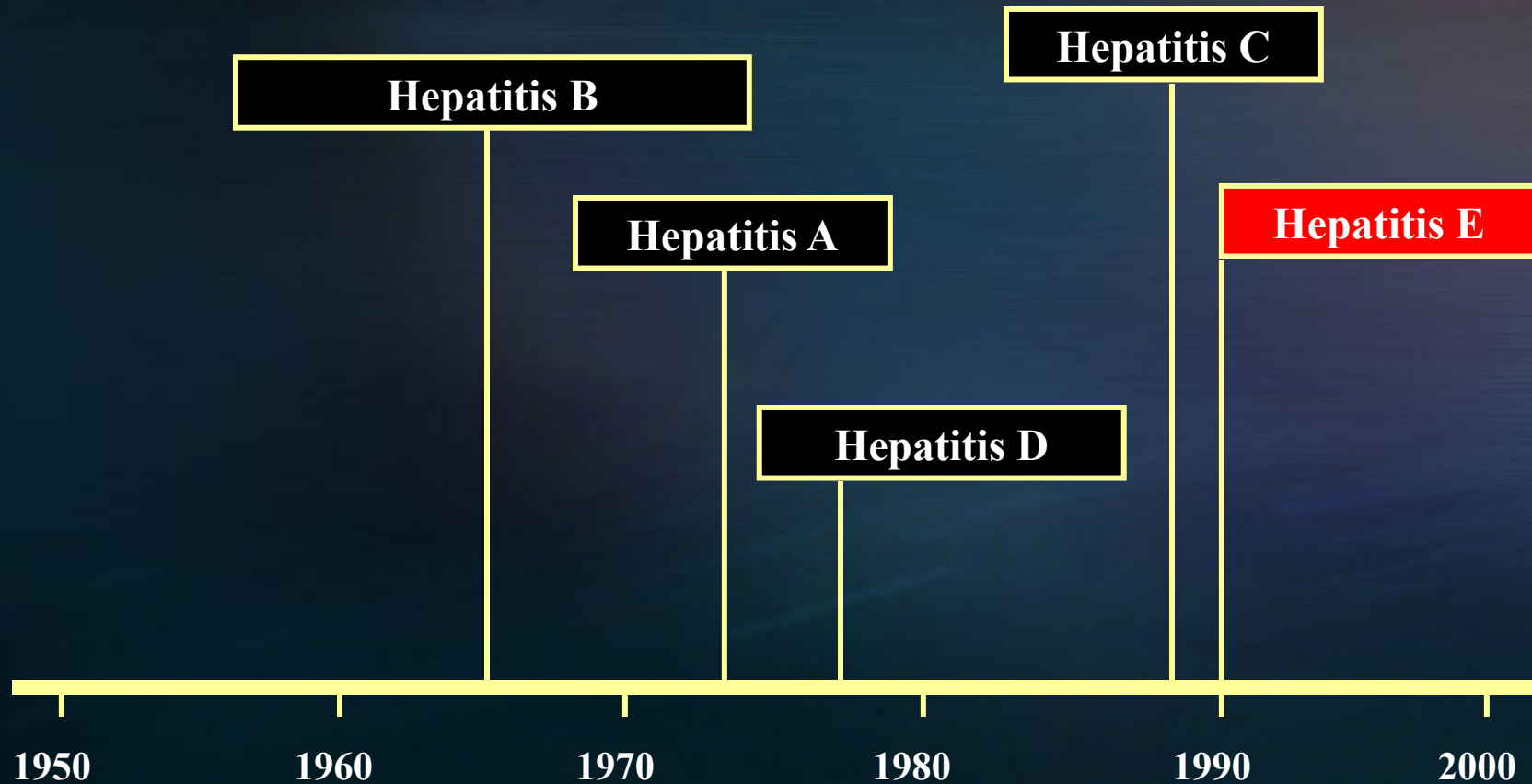
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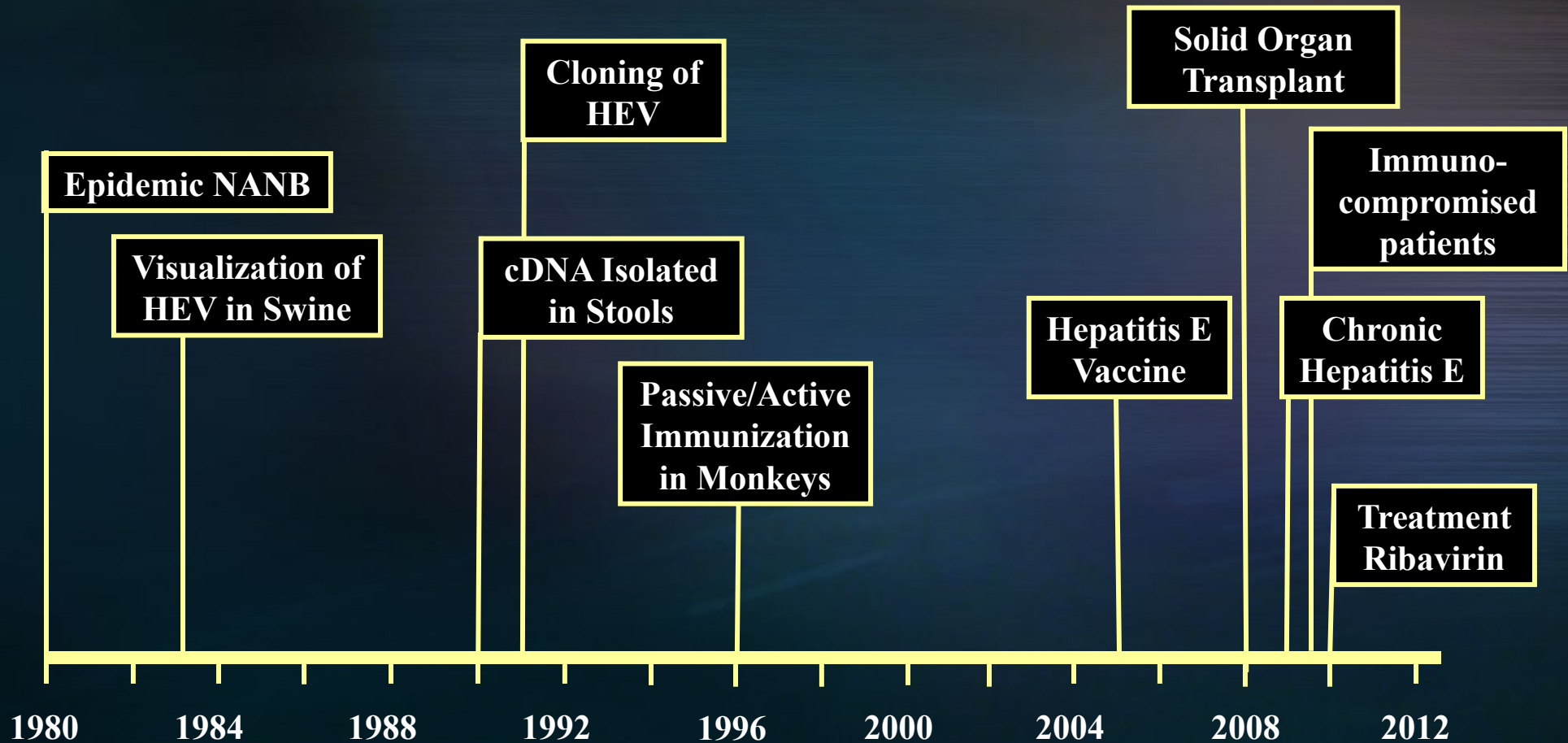
MILESTONES IN HEPATITIS D IDENTIFICATION AND ADVANCES



MILESTONES IN THE IDENTIFICATION OF HEPATITIS VIRUSES



MILESTONES IN HEPATITIS E IDENTIFICATION AND ADVANCES



Conclusions

- Hepatitis A
 - Safe and effective vaccine
- Hepatitis B
 - Safe and effective oral therapy that achieves viral and clinical remission but indefinite duration
 - Safe and Effective Vaccine, universal vaccination
 - Malignant transformation
- Hepatitis C
 - Safe and effective oral therapy but residual cirrhosis predisposes to HCC
- Hepatitis D
 - Prevention with Hepatitis B vaccine
 - Primary therapy marginal
- Hepatitis E
 - Vaccines not readily available
 - Can evolve into chronic hepatitis

Challenges for Future

- Curing Hepatitis B
 - Eradicate cccDNA
- Preventing Hepatitis B malignant transformation
- Access to combination DAAs for Hepatitis C
- Salvage therapy for relapsing HCV
- Shorten duration of HCV Therapy
- Vaccine for HCV
- Effective treatment for Hepatitis D
- Readily available vaccine for Hepatitis E
- Linkage of Hepatitis E with other systemic disorders