Faculty Disclosure

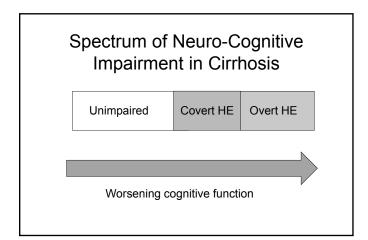
- Faculty: Juan Gonzalez Abraldes
- Relationships with commercial interests:
 - Grants/Research Support: None
 - Speakers Bureau/Honoraria: Gore / Janssen (lecture fees)
 - Consulting Fees: None
 - Other: None



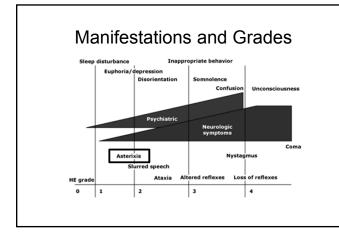


Outline

- Basic concepts: diagnosis and treatment
- Minimal ("covert") Hepatic Encephalopathy
- HE and driving: what do we do about it



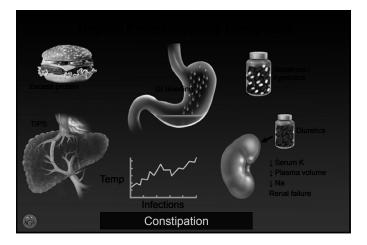


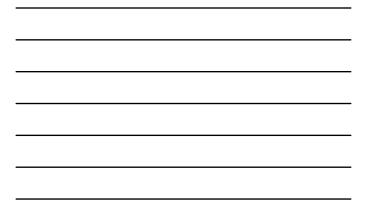


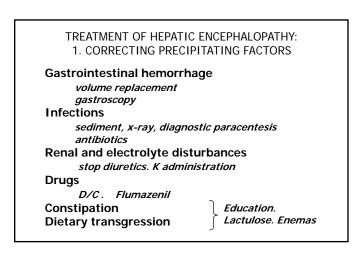


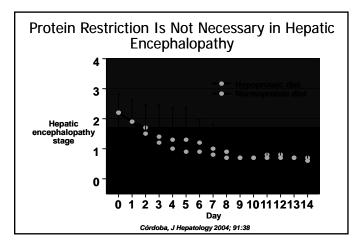
Features of overt HE

- Fluctuating
- · Frequently associated with precipitating factors
- Major goals of therapy: to reverse the acute episode, to keep the patient out of hospital and to prevent recurrent episodes

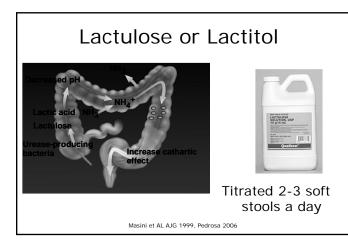


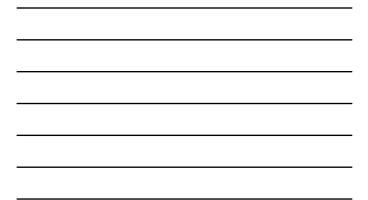


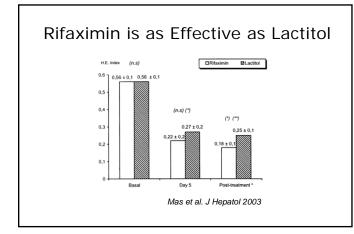




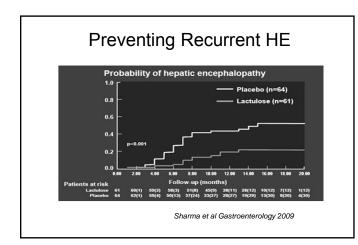


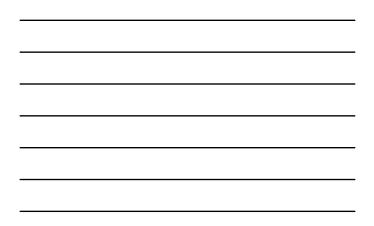


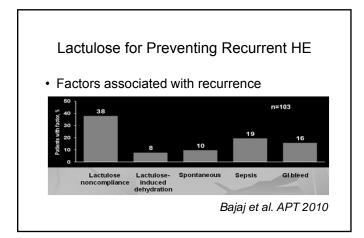




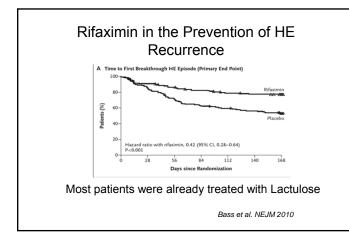


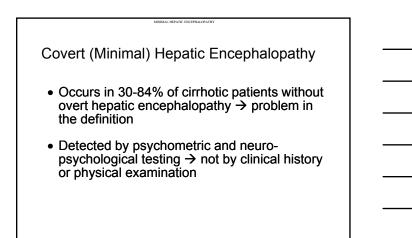


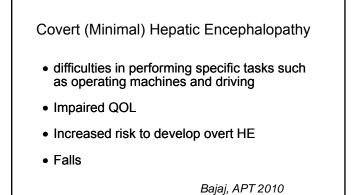


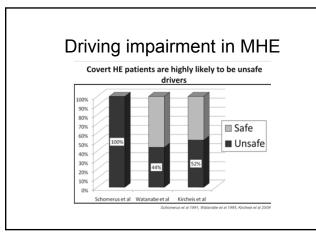




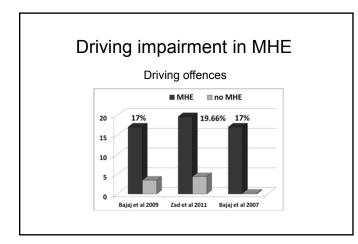














Diagnosis and Treatment of Covert Hepatic Encephalopathy

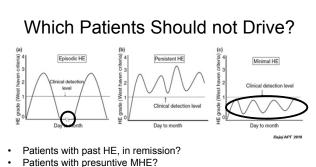
- Complex neuropsicological testing: limited availability → I never had access in my career
- Is the Stroop app a game change?





Diagnosis and Treatment of Covert Hepatic Encephalopathy

- Complex neuropsicological testing: limited availability → I never had access in my career
- Is the Stroop app a game change? 5 min
 - Correlates with more complex NP tests
 - Age /education dependent
 - Needs external validation
- · Responds to Lactulose and Rifaximin



- No reference to HE in the CMA driver's guide 2012
- · No specific reference in any legislation in the US / Canada

What about Dementia

- Diagnosis of dementia is not sufficient to withdraw driving privileges
- Driving is contraindicated in people who, for cognitive reasons, have an inability to independently perform multiple instrumental activities of daily living or any of the basic activities of daily living. This degree of functional impairment describes a moderate or worse stage of dementia
- People with mild dementia should receive comprehensive
 off- and on-road testing at specialized driving centers

What can we do about it?

- · Discuss and Document: graded approach
- Referral for a driving evaluation
- Reporting to the Licensing authority
 - In Alberta reporting is discretionary, not mandatory
- The MD is legally protected when reporting
- MD does not determine whether a licence will be granted or suspended
 MD describes the situation. Licensing authority makes the decision

CMA driver's guide 2012

Take Home Messages

- · Lactulose is more than a laxative
- MHE or covert HE: still not a standarized diagnosis
- No specific guidelines to decide which cirrhotic patients can drive
 - Recovered from OHE and consistently stable?
 - CHE? we do not have the tools for uncover it