HEPATITIS A CASES IN A PERIPHERAL HOSPITAL: AN IDEAL PREVENTION WITH HYGIENIC MEASURES AND VACCINATION

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Background

- ➔ Hepatitis-A has noticeably decreased due to health policy improvement, Spain being a country of low endemicity.
- ➔ The clinical course is usually benign and self-limited, but may rarely progress to fulminant hepatitis (0.2%).
- ➔ Prevention is based on hygienic measures and vaccination.

Methods

- 🌀 Retrospective review of hepatitis-A cases in children < 16 years admitted in a peripheral hospital from 2011 to 2017.
- 🌀 Analysis of the influence of risk factors associated and the outbreak in adults in 2016-2017.

Results

- ➔ 7 hepatitis-A cases, 71.4% female, mean age 101 ± 22 months.
- ➔ Moroccan origin: 71.4%.
- ➔ Recently travelled to Morocco: 57.1%.
- ➔ Sporadic cases: 71.4%. Family cases: 28.6%.
- ➔ No hepatitis A vaccination: 85.7%.

HEPATITIS A CASES

■ Pediatric cases ■ Adult cases

SYMPTOMS AND SIGNS

Laboratory test:

- ➔ 100% hypertransaminasemia:
 - Aspartate aminotransferase (AST) 1340 ± 796 U/L
 - Alanine transaminase (ALT) 2683 ± 1333 U/L
- ➔ 100% conjugated hyperbilirubinemia (5.8 ± 3 mg/dl)
- ➔ 71.4% a modest coagulopathy that required vitamin K (42.8%)

Outcome

- ➔ 85.7% were admitted to the hospital due to moderate anorexia (66%)
- ➔ Mean hospitalization stay of 3 ± 1.4 days
- ➔ 100% good progress

Discussion

- ➔ Incidence of hepatitis-A in children remains low, however an increase has been noticed due to the outbreak in adults during 2016-2017.
- ➔ Hepatitis-A transmission is associated with travelling to areas of moderate or high endemicity.
- ➔ It is essential to recommend vaccination to the children of immigrants as well as to travellers to areas of high or moderate endemicity.