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## HEPATITIS A AN UNEXPECTED RETURN? A FOCUS ON A SELECTED NORTHERN ITALIAN POPULATION

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**Background:** Between January and May 2013, 352 cases of HAV infection were notified in Italy corresponding to a 70% increase compared to the same period in 2012 [12]. Hepatitis A virus (HAV) infection is an acute, self-limited liver disease transmitted usually through the faecal-oral route via person-to-person contact. Aim of this study is understand the actual abnormal relevation of positive cases in a selected northern Italian population in 2017.

**Methods:** We analyzed two different set of patients: all the results obtained in our laboratory during the 12<sup>th</sup> months of 2013 (894 patients, 65% female and 35% male) and in 12 months of 2017 (1089 patients, 63% female and 37% male) for IgM of HAV (HAVA IgM, Abbott, Architect i2000®). The range of results is less 1.0 S/Co negative, upper 1.0 S/Co positive.

**Results:** All the positive cases registered are arrived from emergency units of our Hospital.

year	Months observation	HAV Ab IgM total test	IgM POSITIVE test	IgM NEGATIVE test	Positive test/month	% positive	Male positive	Female positive	Median age
2013	12	894	6	888	0.75	1.04	7	2	29.55
2017	12	1089	30	1059	2.5	2.82	29	1	29.0

**Conclusion:** At the light of these results we are probably observing a new epidemic. Regione Lombardia has suggested four possible causes: subject with chronic hepatitis that received concentrated treatment with coagulation factor, drugs abuse, men who have sex with men, subjects under 14 years old that

have done trip. From these remarks, rescue aid becomes the crossroads for taking over and managing this epidemic, perhaps we could be largely prevented by inserting vaccination into the mandatory program.

### Biography

M Monari is the Director of Clinical Laboratory Analysis of Humanitas Research Hospital and she is a contract Professor of two Italian University: Humanitas University and Insubria University in Nurse degrees. She develops, in accordance with the hospital direction, different investigation studies around topics of health and security of blood collections and data communications. She has more than 45 poster published and 23 articles. She was Editorial Board member for the Journal of Women's Health and Reproductive Medicine. She was also Chief Director of several courses and congress and speaker to them.

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