

## Proposal for 2016

In 2014 a new study, coordinated by Licia Peruzzi, investigating the outcome of recent cases of HSP and the risk factors for progression in a pan-European cohort was met by ESPN research call and granted with 10.000 Euros

This project is articulated in 2 parts:

**a) Hsp Nephritis Registry:** a retrospective data-base to collect clinical data at time of biopsy and during yearly follow up in European children who underwent a renal biopsy for HSP nephritis in the last 20 years.

20 centers so far declared their interest

The analysis of the first 146 cases has evaluated results submitted as abstract to the next ERA-EDTA Congress on behalf of the ESPN Immune mediated renal disorders WG.

The questions raised from this data, that could be answered by the implementation of the case series as well as by the completion of the follow-up sheet of database are:

- Type of induction therapy adopted
- Duration of therapy
- Immunosuppressors adopted: duration and doses
- Follow-up data at timely points

All the participating centers as well as the centers part of the ESPN WG Immune mediated renal disorders will be solicited to send follow-up data and to participate with new cases to achieve the completion of a solid database of the HSP Registry

**b) Prospective Study For Validation Of Immunologic Risk Factors:** with the aim to recruit a new cohort of 50 incident children receiving a renal biopsy for HSP nephritis to perform a large panel of immunological studies at the moment of maximal activity, at time of renal biopsy and possibly before treatment, together with the genetic study. These studies include immunoproteasome switch, TLR expression, altered glycosylation of IgA1 and antibodies against deGAI IgA1, oxidative stress markers (AOPP), GWAS in collaboration with Columbia University

- Complement activation study was also included in collaboration with the Pediatric Nephrology group of Nijmegen who received an ESPN research grant for complement study in 2014 coordinated by Elena Volokhina.

Logistics of laboratory samples for new incident patients for the immunological and the GWAS study has been settled in collaboration with Columbia University. Centers who will not be able to participate with HSP with renal biopsy will participate with cases without renal involvement to the GWAS study filling a different appropriate database for genetic testing controls.

All Centers will be solicited to contribute to the study with biological samples  
Additional European centers are invited to join.

For any question please contact [liciaperuzzi@hotmail.com](mailto:liciaperuzzi@hotmail.com) or [licia.peruzzi@unito.it](mailto:licia.peruzzi@unito.it)