

Italian Network of Mitochondrial Diseases



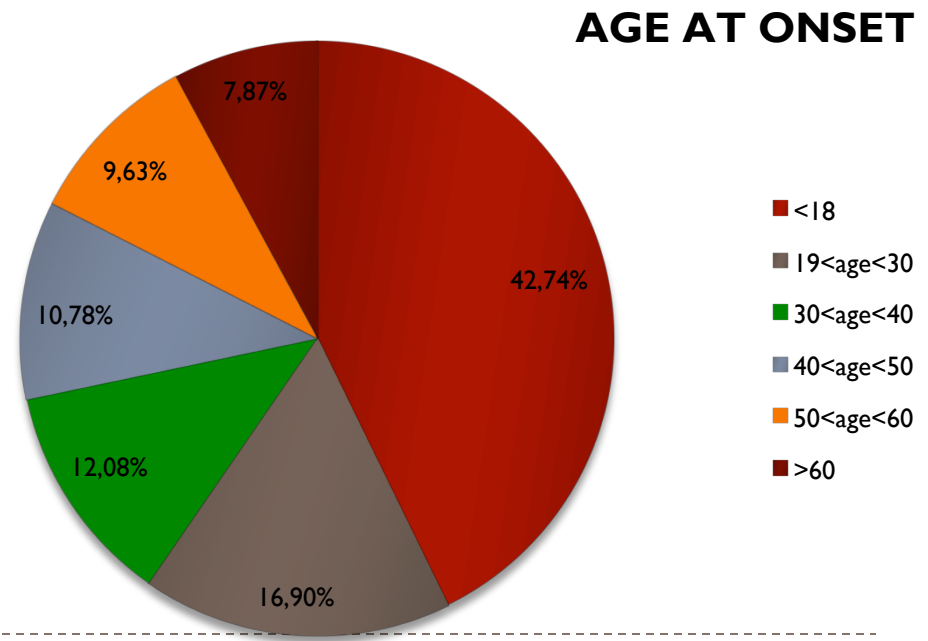
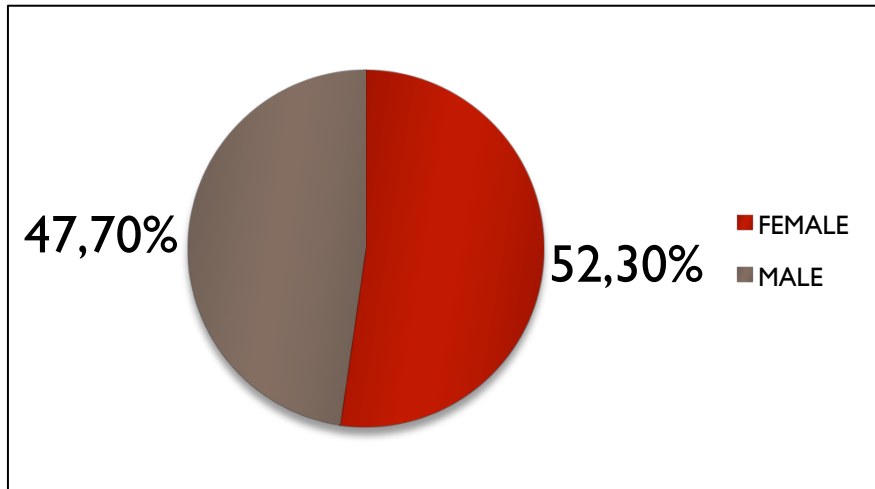
Italian Network of Mitochondrial Diseases

- Corrado Angelini
 - Enrico Bertini
 - Claudio Bruno
 - Elena Caldarazzo Ienco
 - Valerio Carelli
 - Michela Catteruccia
 - Giacomo Pietro Comi
 - Maria Alice Donati
 - Maria Teresa Dotti
 - Antonio Federico
 - Massimiliano Filosto
 - Costanza Lamperti
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 - Carlo Minetti
 - MITOCON
 - Maurizio Moggio
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 - Isabella Moroni
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 - Daniele Orsucci
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 - Filippo Maria Santorelli
 - Monica Sciacco
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 - Costanza Simoncini
 - Paola Tonin
 - Antonio Toscano
 - Graziella Uziel
 - Maria Lucia Valentino
 - Liliana Vercelli
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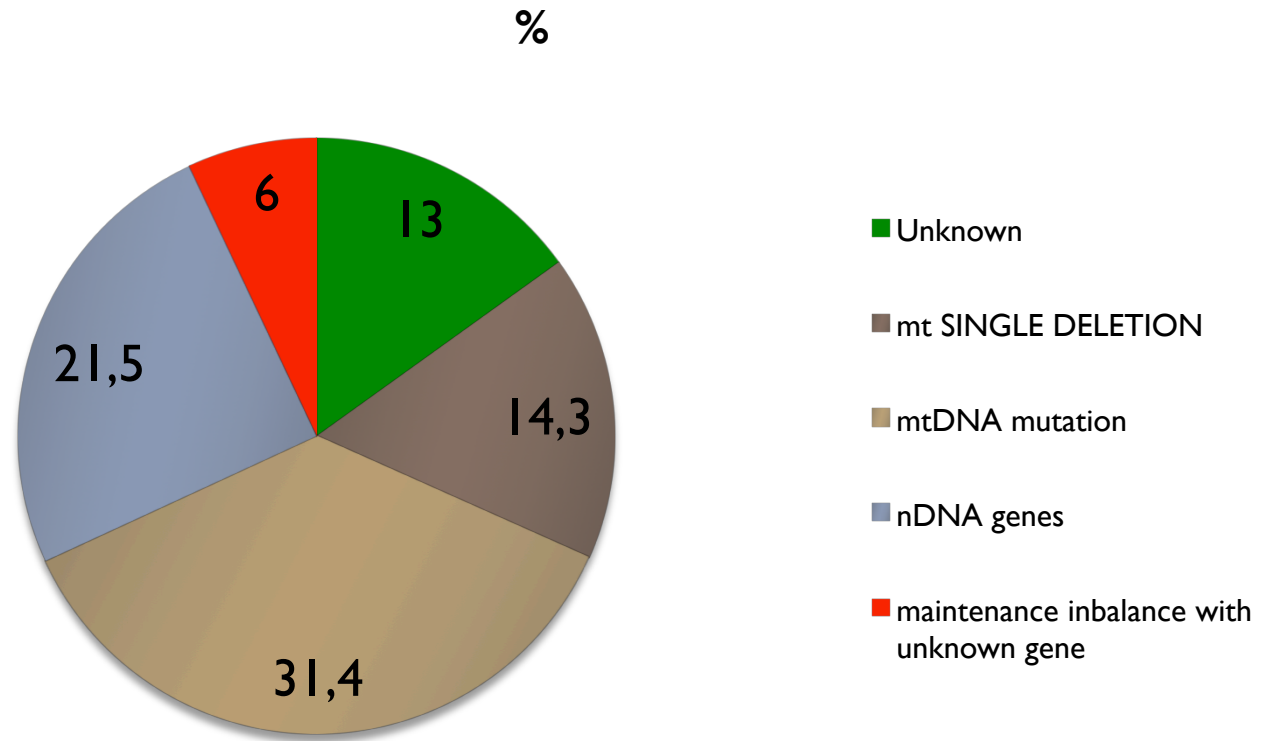


THE ITALIAN NUMBERS.....

November 10th, 2018 N= 1753



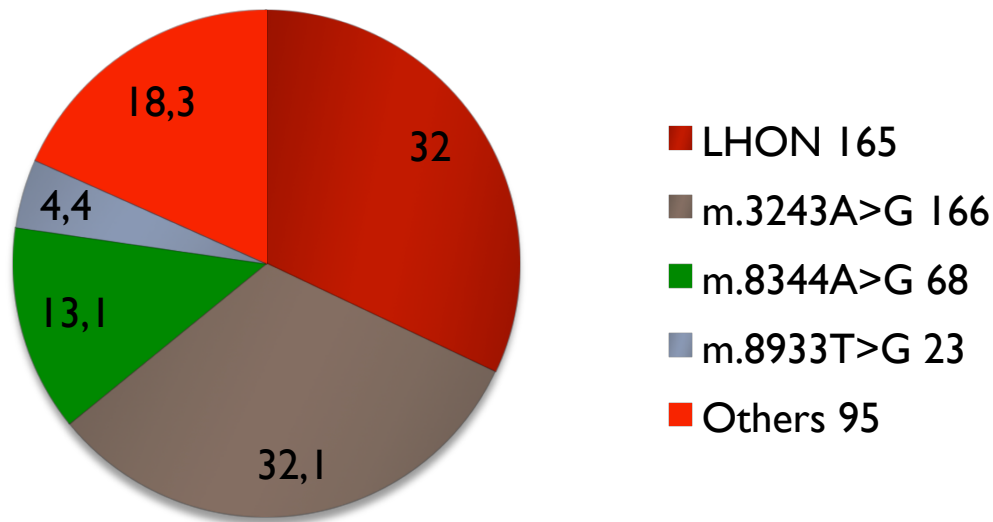
MOLECULAR ETIOLOGY



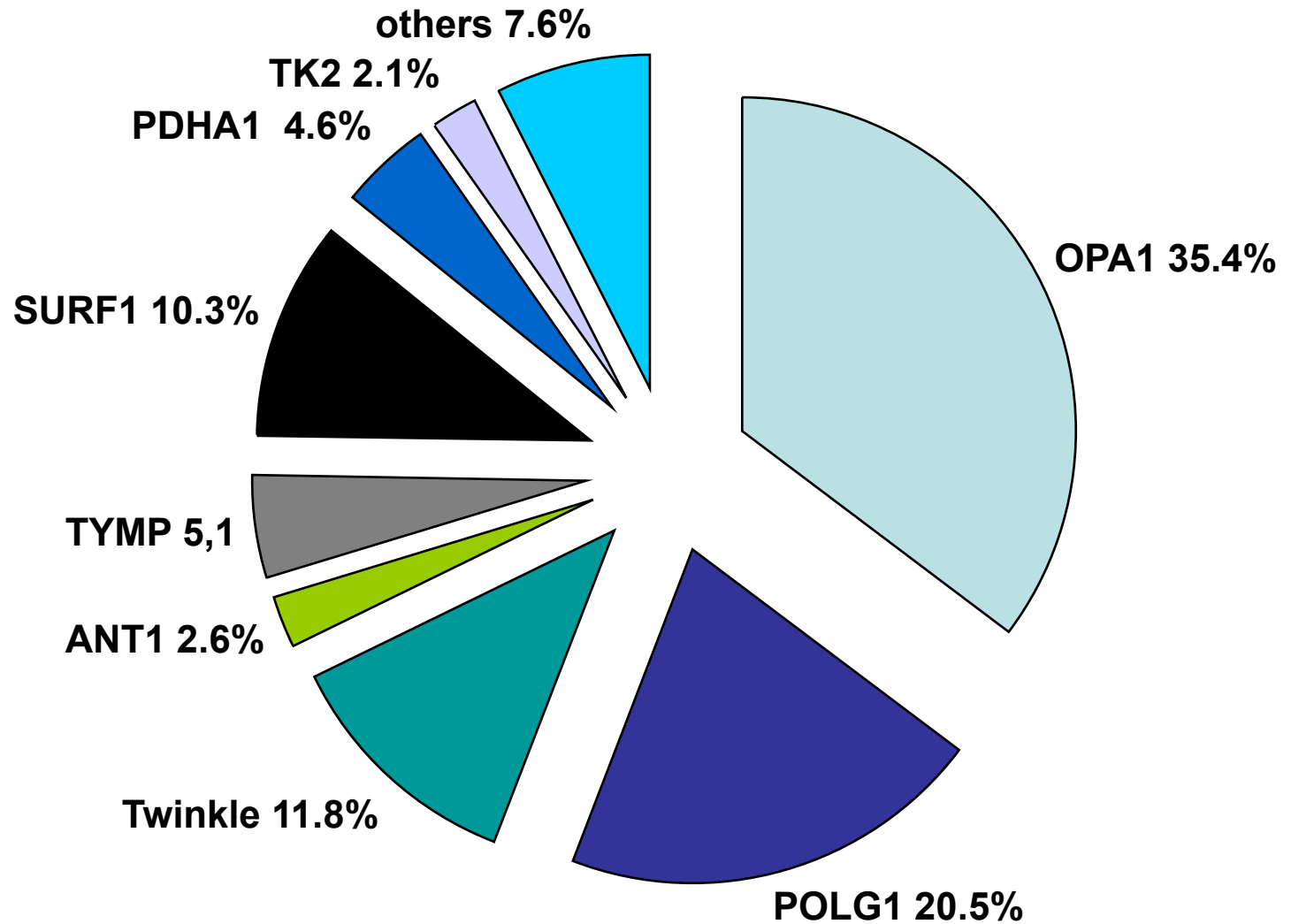
N=1646

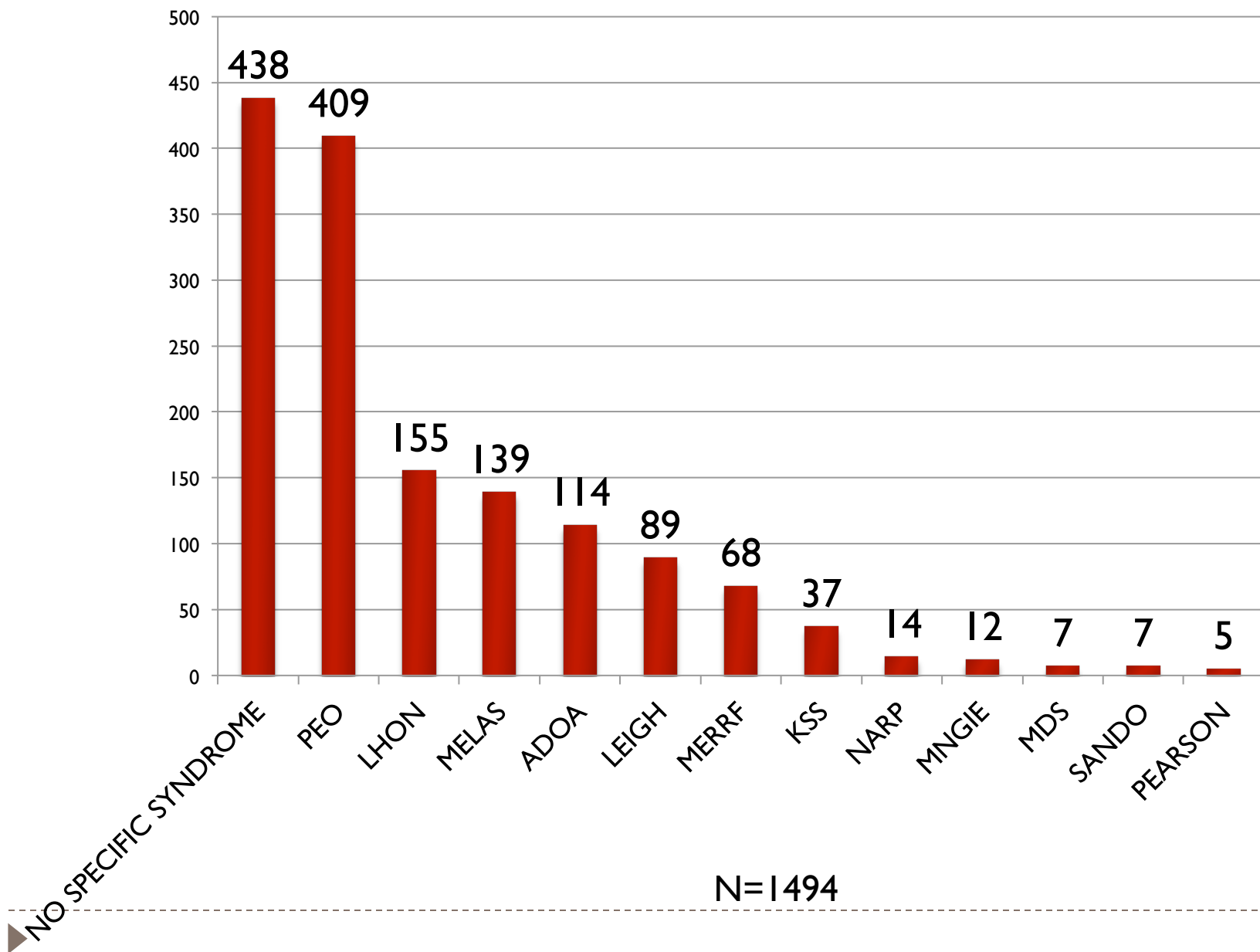
mtDNA point mutations (n=1646pts)

% of mtDNA point mutations (N=517)

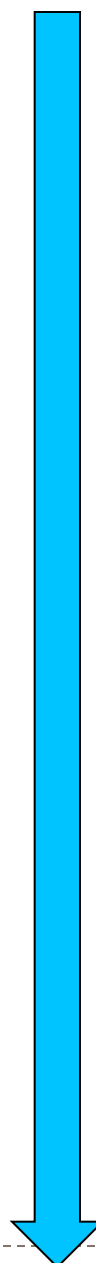


nuclear point mutations





	Patients (1330 tot with full phenotype described)	Percentage
Ptois/ophthalmoparesis	636	47,8
Muscle weakness	488	36,7
Hearing loss	330	24,8
Exercise intolerance	279	21
Optic neuropathy	241	18,1
Muscle wasting	233	17,5
Cerebellar ataxia	198	14,8
Cognitive involvement	189	14,2
Hypotonia	180	13,5
Neuropathy	163	12,2
Swallowing impairment	162	12,1
Epileptic seizures	152	11,4
Muscle pain	152	11,4
Diabetes	121	9
Pyramidal involvement	115	8,6
Respiratory impairment	115	8,6
Cardiomyopathy	106	7,9
Migraine	102	7,6
Retinopathy	92	6,9
Gastroint. dysmotility	69	5,1



Redefining phenotypes associated with mitochondrial deletion

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Accepted Manuscript

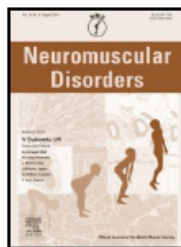
Title: "Mitochondrial neuropathies": a survey from the large cohort of the Italian Network

Author: Michelangelo Mancuso, Daniele Orsucci, Corrado Angelini, Enrico Bertini, Valerio Carelli, Giacomo Pietro Comi, Antonio Federico, Carlo Minetti, Maurizio Moggio, Tiziana Mongini, Paola Tonin, Antonio Toscano, Claudio Bruno, Elena Caldarazzo Ienco, Massimiliano Filosto, Costanza

RESEARCH ARTICLE

Myoclonus in Mitochondrial Disorders

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The m.3243A>G mitochondrial DNA mutation and related phenotypes. A matter of gender?

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Available

SciVerse

Neuromuscular Disorders 22 (2015) 1–10



www.elsevier.com/locate/nmd

Fatigue and exercise intolerance in mitochondrial diseases. Literature revision and experience of the Italian Network of mitochondrial diseases

M. Mancuso^{a,*}, C. Angelini^b, E. Bertini^c, V. Carelli^d, G.P. Comi^m, C. Minetti^f

Phenotypic heterogeneity of the 8344A>G mtDNA "MERRF" mutation

ABSTRACT

Objectives: Myoclonic epilepsy with ragged-red fibers (MERRF) is a rare mitochondrial syndrome, mostly caused by the 8344A>G mitochondrial DNA mutation. Most of the previous studies have been based on single case/family reports or series with few patients. The primary aim of this study was the characterization of a large cohort of patients with the 8344A>G mutation. The secondary aim was revision of the previously published data.

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