Classification des Histiocytoses

Abdellatif Tazi
Service de Pneumologie
Hôpital Saint-Louis, Paris, France
abdellatif.tazi@aphp.fr

Spectre nosologique des histiocytoses (1)

HL	HNL de la famille du XGJ	HNL macrophagiques
	XGJ	H. de surcharge exogènes
	XG de type adulte	H. métaboliques
	Xanthoma disseminatum	H. infectieuses
	H. bénigne céphalique	H. hémophagocytaires avec activation macrophagique
	H. généralisée éruptive	Maladie de Destombes-Rosai-Dorfman
	H. progressive nodulaire	Réticulohistiocytose multicentrique
	Maladie d'Erdheim-Chester	
	H. à cellules indéterminées (?)	

Obert J et Tazi A Rev Mal Repir 2015

Spectre nosologique des histiocytoses (1)

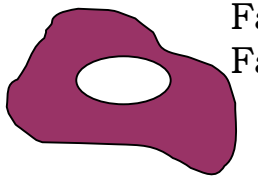
HL

CD1a+
Langerine+
PS100+

HNL

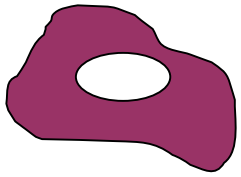
HNL famille XGJ

CD68a+
FacteurXIII+
Fascine+



HNL macrophagique

CD68a+
CD163+

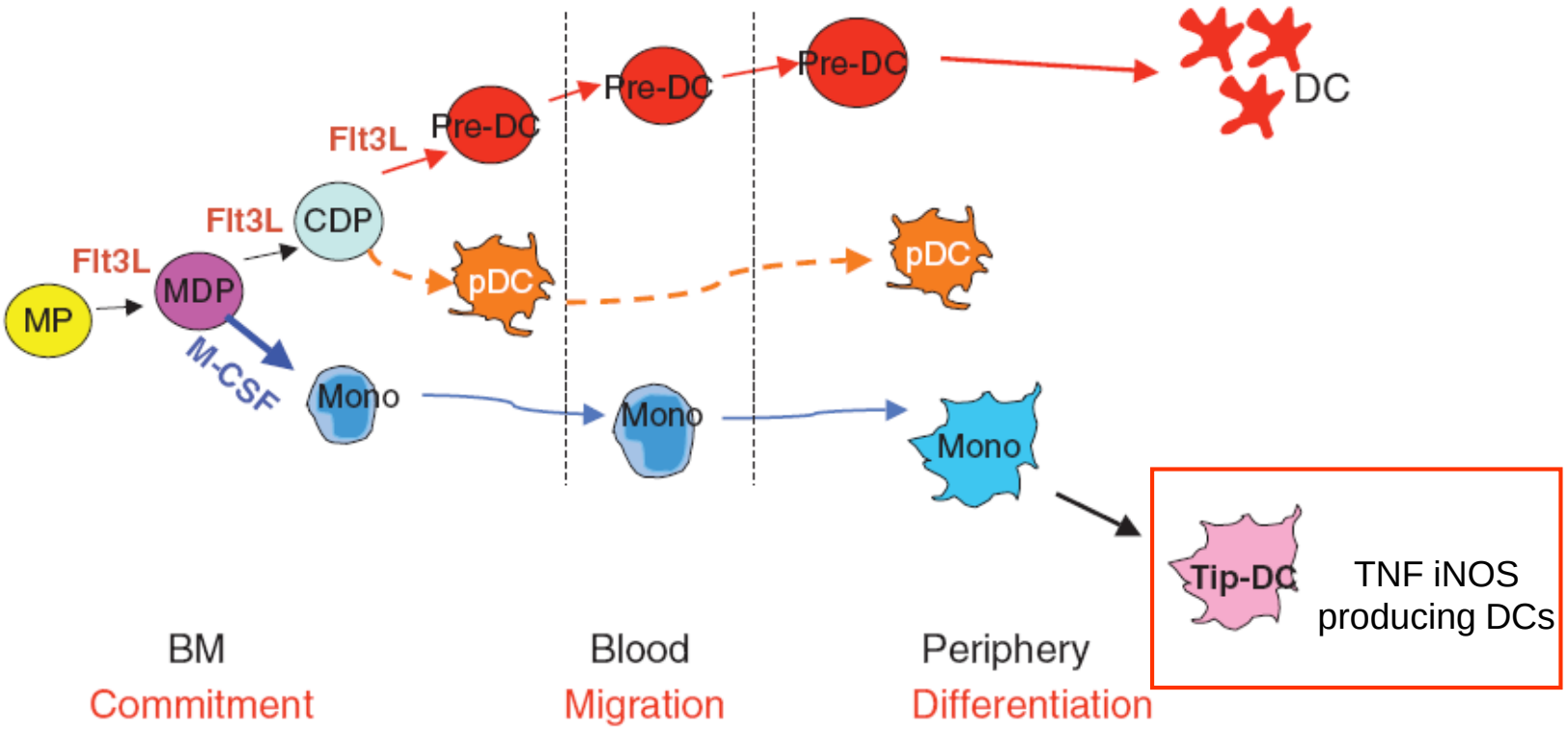


Histiocytoses mixtes, formes de passage

Hervier et al Blood 2014

Kang Liu
Michel C. Nussenzweig

Origin and development of dendritic cells



Immunological Reviews 2010

Brief report

Recurrent *BRAF* mutations in Langerhans cell histiocytosis

Gayane Badalian-Very,[1-3] Jo-Anne Vergilio,[4,5] Barbara A. Degar,[6-8] Laura E. MacConaill,[9] Barbara Brandner,[1-3] Monica L. Calicchio,[4] Frank C. Kuo,[5,10] Azra H. Ligon,[5,10,11] Kristen E. Stevenson,[12] Sarah M. Kehoe,[9] Levi A. Garraway,[1-3,9,13] William C. Hahn,[1-3,9,13] Matthew Meyerson,[1,2,9,13] Mark D. Fleming,[4,5] and Barrett J. Rollins[1-3]

BLOOD, 16 SEPTEMBER 2010 • VOLUME 116, NUMBER 11

High prevalence of *BRAF V600E* mutations in Erdheim-Chester disease but not in other non-Langerhans cell histiocytoses

Julien Haroche, Frédéric Charlotte, Laurent Arnaud, Andreas von Deimling, Zofia Hélias-Rodzewicz, Baptiste Hervier, Fleur Cohen-Aubart, David Launay, Annette Lesot, Karima Mokhtari, Danielle Canioni, Louise Galmiche, Christian Rose, Marc Schmalzing, Sandra Croockewit, Marianne Kambouchner, Marie-Christine Copin, Sylvie Fraitag, Felix Sahm, Nicole Brousse, Zahir Amoura, Jean Donadieu and Jean-François Emile

Blood. 2012

Revised classification of histiocytoses and neoplasms of the macrophage-dendritic cell lineages

Jean-François Emile,[1,2] Oussama Abla,[3] Sylvie Fraitag,[4] Annacarin Horne,[5] Julien Haroche,[6,7] Jean Donadieu,[1,8] Luis Requena-Caballero,[9] Michael B. Jordan,[10] Omar Abdel-Wahab,[11] Carl E. Allen,[12] Frédéric Charlotte,[7,13] Eli L. Diamond,[14] R. Maarten Egeler,[3] Alain Fischer,[15,16] Juana Gil Herrera,[17] Jan-Inge Henter,[18] Filip Janku,[19] Miriam Merad,[20] Jennifer Picarsic,[21] Carlos Rodriguez-Galindo,[22] Barret J. Rollins,[23,24] Abdellatif Tazi,[25] Robert Vassallo,[26] and Lawrence M. Weiss,[27] for the Histiocyte Society

BLOOD, 2 JUNE 2016 • VOLUME 127, NUMBER 22

L Group

- LCH
- ICH
- ECD
- Mixed LCH/ECD

C Group

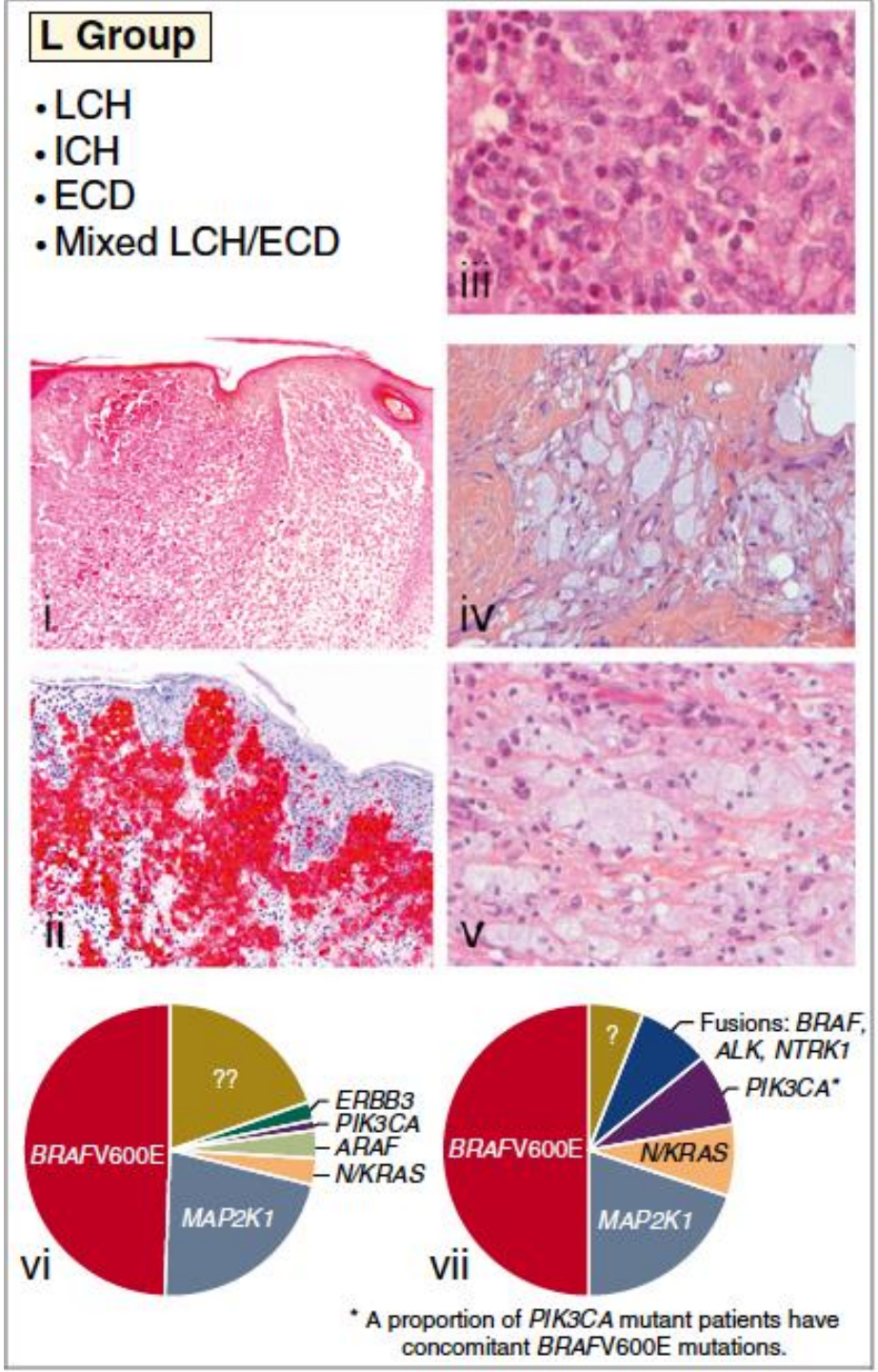
- Cutaneous non-LCH
  -XG family: JXG, AXG, SRH, BCH, GEH, PNH
  -Non-XG family: cutaneous RDD, NXG, othjer NOS
- Cutaneous non-LCH
  with a major systemic component

R Group

- Familial Rosai-Dorfman Disease (RDD)
- Sporadic RDD
  -Classical RDD
  -Extra-nodal RDD
  -RDD with neoplasia or immune disease
  -Unclassified

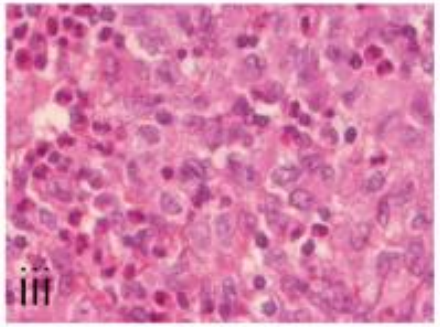
M Group

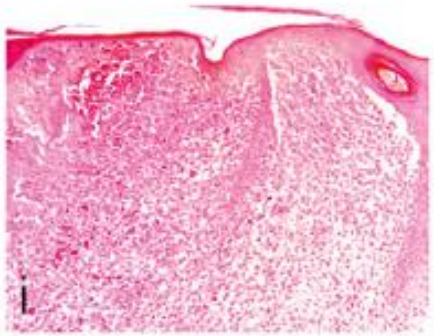
- Primary Malignant Histiocytoses
- Secondary Malignant Histiocytoses (following or associated with another hematologic neoplasia)
  Subtypes: Histiocytic, Interdigitating, Langerhans, Indeterminate Cell

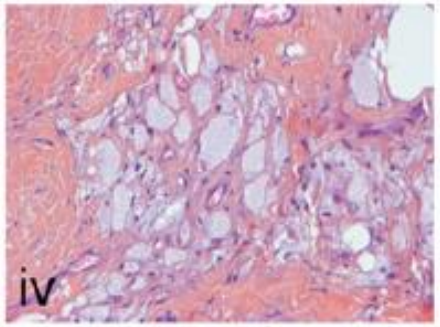

L Group
• LCH
• ICH
• ECD
• Mixed LCH/ECD
i
ii
iii
iv
v
??
ERBB3
PIK3CA
ARAF
N/KRAS
BRAFV600E
MAP2K1
vi
?
Fusions: BRAF, ALK, NTRK1
PIK3CA*
N/KRAS
BRAFV600E
MAP2K1
vii
* A proportion of PIK3CA mutant patients have concomitant BRAFV600E mutations.

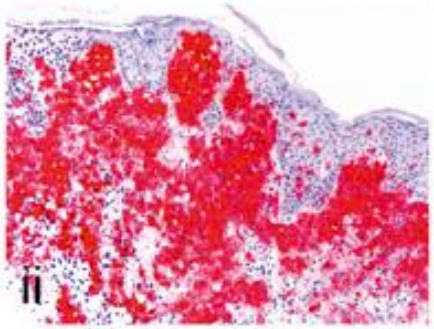
L Group

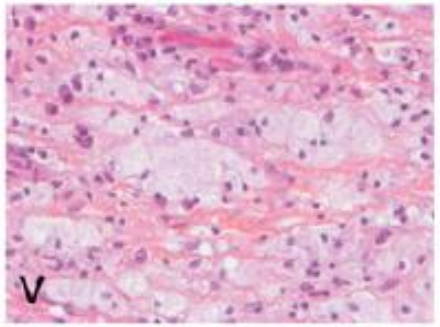
- LCH
- ICH
- ECD
- Mixed LCH/ECD

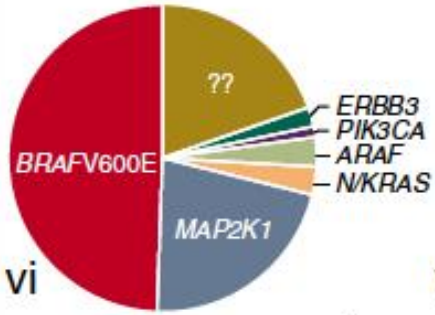


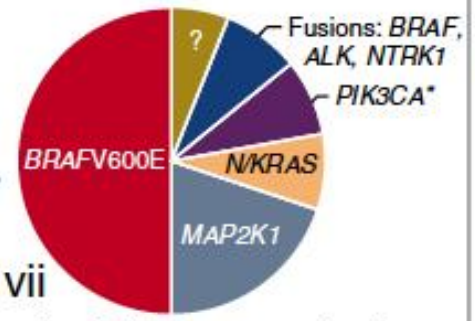








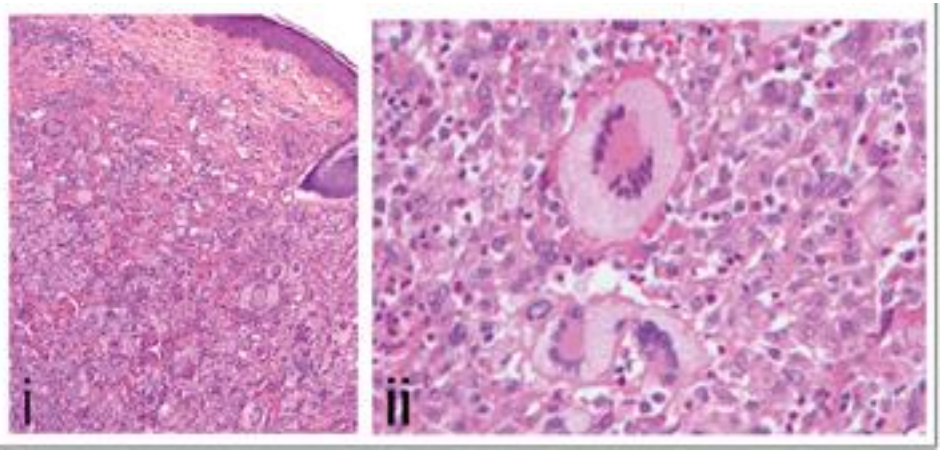




* A proportion of *PIK3CA* mutant patients have concomitant *BRAF*V600E mutations.

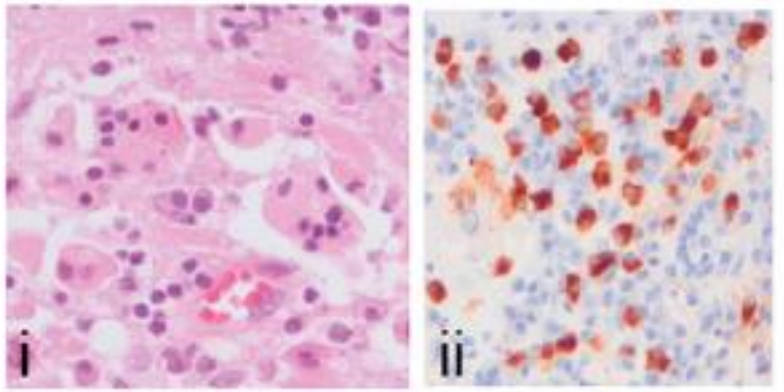
C Group

- Cutaneous non-LCH
  -XG family: JXG, AXG, SRH, BCH, GEH, PNH
  -Non-XG family: cutaneous RDD, NXG, othjer NOS
- Cutaneous non-LCH
  with a major systemic component



R Group

- Familial Rosai-Dorfman Disease (RDD)
- Sporadic RDD
  -Classical RDD
  -Extra-nodal RDD
  -RDD with neoplasia or immune disease
  -Unclassified



M Group

- Primary Malignant Histiocytoses
- Secondary Malignant Histiocytoses (following or associated with another hematologic neoplasia)

Subtypes: Histiocytic, Interdigitating, Langerhans, Indeterminate Cell