

Twitter y las posibilidades de formación continuada a través

del social media

Vicente Martín García

H. U. Nuestra Sra. de Candelaria. S. C. de Tenerife





Sociedad Canaria de Radiología

@canariaderadio1 Te sigue

Cuenta oficial de la Sociedad Canaria de Radiología (SCR), filial de la Sociedad Española de Radiología (SERAM).

1181 Siguiendo 1203 Seguidores



Vicente Martín

@vmargar

NRx.HUNSC #Neurorad

E Se unió en junio de 2011

1840 Siguiendo 2703 Seguidores



Redes Sociales









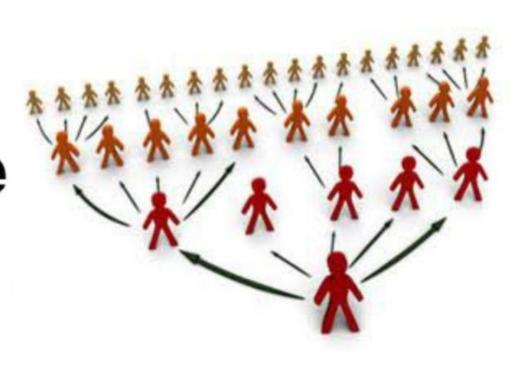
¿POR QUÉ?

- ☐ Visibilidad/exposición
- **Fiabilidad**
- **Adicción**
- ☐ Inmediatez
- □ Interactividad



VIRALIZACIÓN, EL ARTE DE PERDER EL CONTROL







Impresiones: cantidad de veces que a un usuario se le publica un Tweet en la cronología o en los resultados de búsqueda.

Interacciones: cantidad total de veces que un usuario interactuó con un Tweet. Clicks en cualquier lugar del Tweet como: Retweets,respuestas,Me gusta, enlaces, etc



Vicente Martín @vmargar

#FOAMrad #NeuroRad #radres #HUNSC

Uncal herniation

Medial displacement of the uncus and parahippocampal gyrus of the temporal lobe (1)

Mass effect/obliteration contralateral cisterns (2)

Widening of ipsilateral cisterns (3)

Duret hemorrhage (4)

Contralateral hydrocephalus (5)

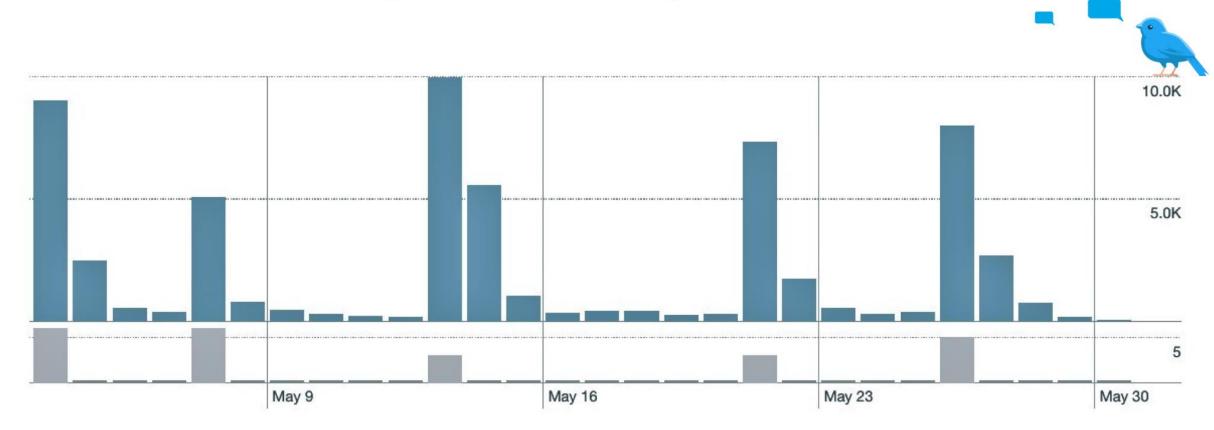
pic.twitter.com/BAG4V5gOTc

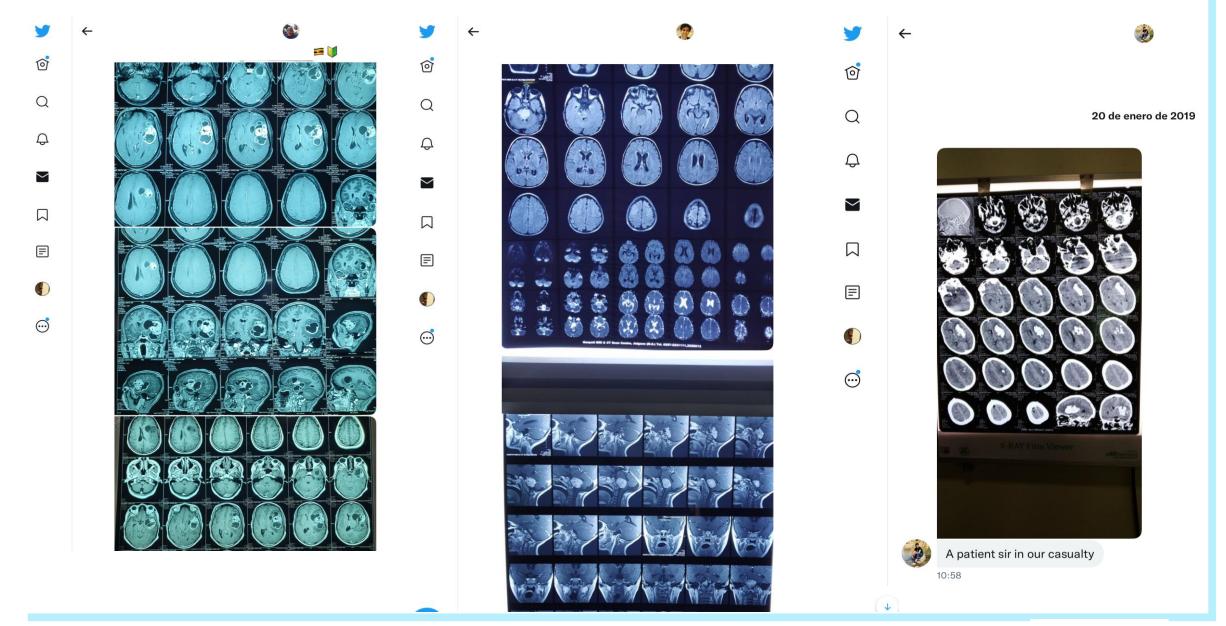
Impresiones	11.676
Interacciones totales	800
Interacciones con el contenido multimedia	402
Abrir el detalle	240
Me gusta	89
Clics en el perfil	33
Retweets	29
Clics en el enlace	4
Respuestas	2
Clics en la etiqueta	1







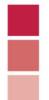




¿CUÁL UTILIZAR?







Social Media Tools for Department and Practice Communication and Branding in the Digital Age

Marc D. Kohli, MD
Dania Daye, MD, PhD
Alexander J. Towbin, MD
Amy L. Kotsenas, MD
Marta E. Heilbrun, MD, MSCI

With nearly 70% of adults in the United States using at least one social media platform, a social media presence is increasingly important for departments and practices. Patients, prospective faculty and trainees, and referring physicians look to social media to find information about our organizations. The authors present

Insights Imaging (2015) 6:741–752 DOI 10.1007/s13244-015-0430-0



REVIEW

Social media for radiologists: an introduction

Erik R. Ranschaert ¹ • P. M. A. van Ooijen ² · Simon Lee ³ · Osman Ratib ⁴ · P. M. Parizel ⁵

Use of Social Media in Radiology Education

Saad Ranginwala, MD^a, Alexander J. Towbin, MD^a

© 2017 American College of Radiology 1546-1440/17/\$36.00 https://doi.org/10.1016/j.jacr.2017.09.010



Tracking Sort Content Data May 2019 monthly users twitter 0 monthly users as of Instagram 430+ million active monthly users as of marily text-based posts with support for embed links, pho-• tos and videos where more REDDIT as of January 2020 networking purposes, primarily Linked in of embedded links, photos and You Tube doximity Primarily text-based posts that have either been published.

Radiology Research Alliance

Social Media in Radiology: Overview and Usefulness of Online Professional #SoMe Profiles

Bradley Spieler, MD, David H Ballard, MD, Parisa Mazaheri, MD, Nicole Legro, BS, Tara Catanzano, MD, Courtney Dey, MD, Elizabeth Prejean, BS, Jake Fontentot, BSN, Maria Daniela Martin, MD, Raman Danrad, MD, Helen Hye Ryong Kim, MD, Drew Caplin, MD, Lori Mankowski Gettle, MD, Omer Awan, MD. MPH



Twitter

Twitter is among the most commonly used social media platforms in the professional medical community. It is based on text interactions (tweets) delivering microbursts of information, in which users can also embed photographs, links, and videos. All posts are currently limited to 280 characters and can be viewed by all users following the poster or by any user following any hashtags included in the post. All users can also comment on any post.

RadioGraphics 2018; 38:1773–1785

https://doi.org/10.1148/rg.2018180090



CUENTAS CON MÁS SEGUIDORES

	Variación	Nombre de la cuenta	Propietario	Número de seguidores (en millones)
1.	=	@BarackObama	Barack Obama	129,1
2.	=	@justinbieber	Justin Bieber	113,8
3.	=	@katyperry	Katy Perry	109,4
4.	=	@rihanna	Rihanna	101,6
5.	=	@Cristiano	Cristiano Ronaldo	90,9
6.	=	@taylorswift13	Taylor Swift	88,2
7.	=	@ladygaga	Lady Gaga	83,8

,	Variación	Nombre de la cuenta	Propietario	Número de seguidores (en millones)
8.	+1	@ArianaGrande	Ariana Grande	81,8
9.	-1	@TheEllenShow	Ellen DeGeneres	79,2
10.	=	@YouTube	YouTube	72,9
11.	=	@KimKardashian	Kim Kardashian	68,9
12.	+1	@narendramodi	Narendra Modi	65,5
13.	+1	@selenagomez	Selena Gomez	64,4





CUENTAS CON MÁS SEGUIDAS EN ESPAÑA

#	Twittero	Seguido por	Sigue a	Tweets	Twitea desde	Ultimo Tweet	Categoria
1	<u>@Cristiano</u> <u>Cristiano Ronaldo</u>	78,536,721	51	3,412	14/06/2010	01/07/2019	deportes
2	<u>@neymarjr</u> <u>Neymar Jr</u>	47,734,956	733	41,684	22/06/2010	30/06/2020	deportes
3	@realmadrid Real Madrid C.F.?	32,927,635	58	67,491	22/05/2008	14/09/2019	futbol
4	@FCBarcelona FC Barcelona	30,012,030	80	102,754	15/12/2009	30/06/2019	deportes
5	@andresiniesta8 Andrés Iniesta	24,415,859	104	2,140	18/11/2009	14/09/2019	futbol
6	<u>@3gerardpique</u> <u>Gerard Piqué</u>	19,629,600	680	2,902	08/12/2010	01/02/2020	futbol
7	<u>@AlejandroSanz</u> <u>Alejandro Sanz</u>	19,570,871	2,155	29,516	28/05/2009	30/07/2019	musica
8	@jamesdrodriguez James Rodriguez	18,299,207	296	2,732	11/04/2011	20/07/2019	deportes
9	@GarethBale11 Gareth Bale	18,028,244	117	1,506	06/08/2012	13/06/2019	deportes
10	@SergioRamos Sergio Ramos	16,848,762	722	3,996	02/06/2010	08/02/2020	futbol







TOP 10 MÉDICOS EN TWITTER 2020



Cuenta	Seguidores	Seguidos	Ratio
1. @spiriman	125.607	137	916,83
2. @luciapediatra	66.722	1.290	51,72
3. @Nopanaden	63.776	663	96,19
4. @MDiazFuentes	47.537	3.241	14,66
5. @juliomayol	39.801	12.141	3,27
6. @joancmarch	34.315	33.174	1,03
7. @SergioVanoG	33.067	18.368	1,80
8. @mlalanda	32.983	2.791	11,81
9. @DoctorCasado	25.954	25.663	1,01
10. @frmat	24.372	26.590	0,91



¿CÓMO?: ACTITUD

- Pasiva
- Pasiva/agresiva:

- ☐ Retuitear.
- Comentar.

Activa:

☐ Hilos ("tuitoriales")



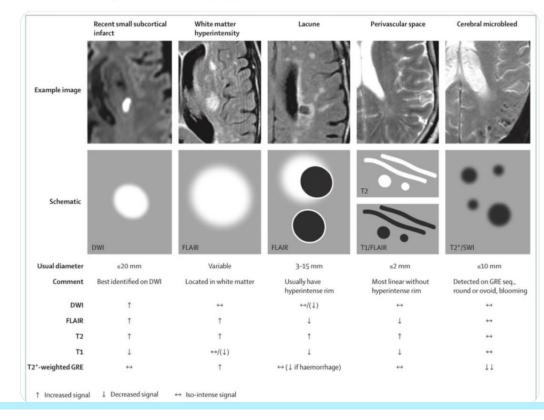
Vicente Martín @vmargar · 6/7/21

#FOAMrad #FOAMed #neurorad #radres #neuroradiolgy

MRI findings for lesions related to Small Vessel Disease

Lancet Neurol 2013; 12: 822-38

DOI: 10.1016/S1474-4422(13)70124-8









Vicente Martín @vmargar · 16/8/21

#FOAMrad #NeuroRad #radres #HUNSC

Uncal herniation

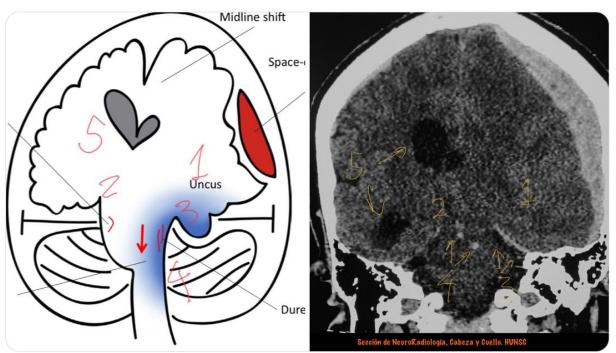
Medial displacement of the uncus and parahippocampal gyrus of the temporal lobe (1)

Mass effect/obliteration contralateral cisterns (2)

Widening of ipsilateral cisterns (3)

Duret hemorrhage (4)

Contralateral hydrocephalus (5)









Vicente Martín @vmargar · 16/8/21

Uncal herniation produces a duret hemorrhage that appears as flame or linear-shaped hyperintensities in the brain stem.

This is due to tearing of small vessels.

dx.doi.org/10.1016/B978-0...

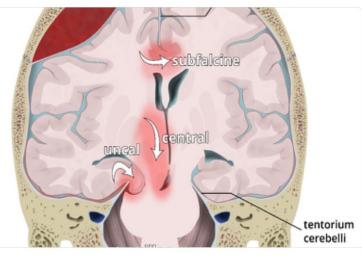
anisms	Clinical 1
mpression on	1. Dilate
casympathetic followed	"dowr
somatic component of	the ips
ılomotor nerve	2. Contra
arction of ipsilateral visual	hemia
tex	3. Ipsilat
eral displacement of	hemip
in stem to compress the	4. Uncon
ntralateral corticospinal	5. Decort
ct	respira
stortion of the ascending	death
usal system	
ret hemorrhage	

Type of herniation	Mechanisms	Clinical presentations
Uncal herniation	 Compression on parasympathetic followed by somatic component of oculomotor nerve Infarction of ipsilateral visual cortex Lateral displacement of brain stem to compress the contralateral corticospinal tract Distortion of the ascending arousal system Duret hemorrhage 	 Dilated pupils, ptosis, and "down and out position" of the ipsilateral eye Contralateral homonymous hemianopia Ipsilateral hemiparesis or hemiplegia Unconsciousness Decorticate posture, respiratory depression, and death



Vicente Martín

@vmargar



radiopaedia.org

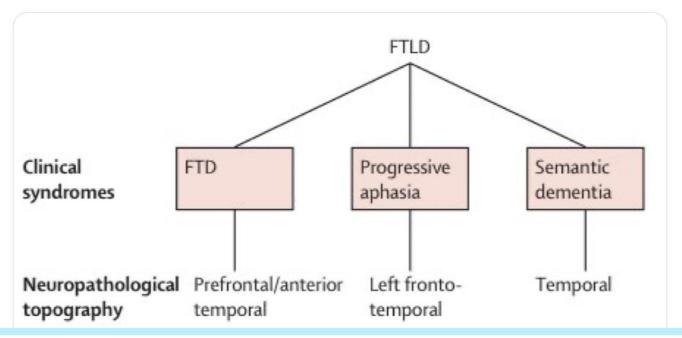
Uncal herniation | Radiology Reference Article | Radiopaedia.org



Vicente Martín @vmargar · 18/11/18

Neuroimaging of FLTD

Frontotemporal dementia or frontotemporal lobar degeneration (FTLD), is a clinical syndrome characterised by profound changes in personality and social conduct and associated with circumscribed degeneration of the prefrontal and anterior temporal cortex.





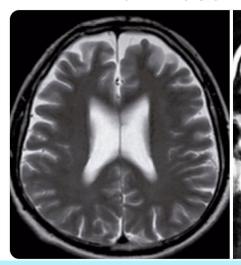


Vicente Martín @vmargar · 18/11/18

En respuesta a @vmargar

Behavioral variant

Asymmetric anteroposterior atrophy with first appearance in the orbitofrontal cortex and interhemispheric involvement of the amygdala. Bilateral frontotemporal atrophy, predominantly right.

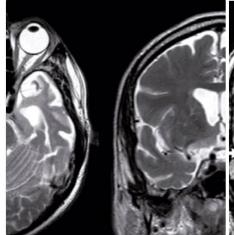




Semantic Variety

Asymmetric atrophy of the temporal pole, fusiform gyrus and amigdalohypocampal region

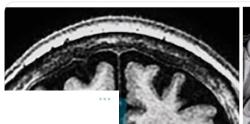
Presents asymmetric affectation of the hippocampi that differentiates them from non-fluent aphasia and Alzheimer's type, with generally symmetric involvement

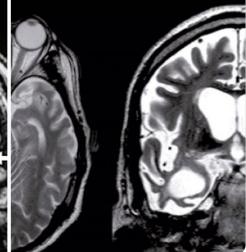






Frontoinsular, temporal superior and inferior parietal atrophy Asymmetric with relative preservation of amygdala and hippocampi











Vicente Martín @vmargar · 18/11/18

Logopenic Aphasia.

it is more related to Alzheimer's disease than to FLTD. In the early stages its most characteristic feature is the asymmetric temporal and posterior parietal involvement.









Vicente Martín @vmargar · 18/11/18

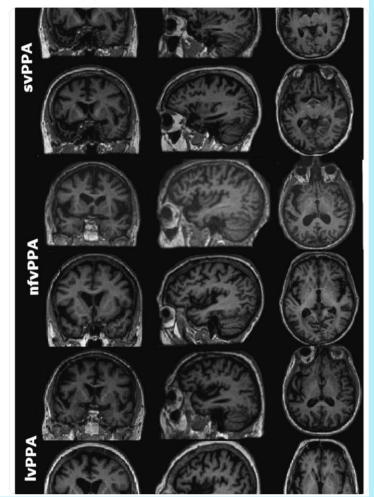
doi:10.1016/j.nrl.2012.04.003 doi:10.1016/j.rx.2009.09.005

Lancet Neurol 2005; 4: 771-80

Rev colomb Radiol. 2013; 24(1): 3632-39

dx.doi.org/10.3174/ajnr.A... dx.doi.org/10.3174/ajnr.A...

Dement Neuropsychol 2014 September;8(3):302-307



¿A QUIÉN SEGUIR? PERFILES

Institucionales:

- Nacionales
- ☐ Internacionales

Revistas

Personales



INSTITUCIONES NACIONALES

@SERAM_RX (01/2010): 4.852 seguidores.

@cbSERAM (03/2013): 1.867.

@residentesSERAM (04/2018): 3.524.

Secciones (11).

Filiales (13).







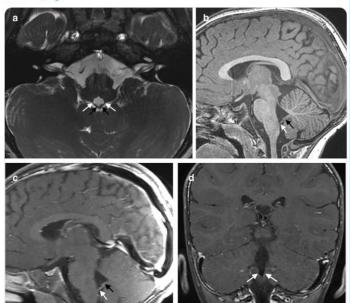


Residentes SERAM @residentes SERAM · 15/9/21

Potenciales nuevos biomarcadores para el diagnóstico diferencial entre saco de Blake y la malformación de Dandy Walker mediante RM 👺

cbseram.com/2021/08/16/nue...

@SENR_org



Club bibliog SERAM @cbSERAM · 20/8/21

Kelly Johanna Parra nos trae esta revisión de @RadioGraphics sobre las lesiones de la calota.

Cuando ponemos la ventana de hueso en el TC craneal ... ¿Sabemos que lesiones estamos viendo?

→ cbseram.com/2021/07/15/esp...

@SERAM_RX





¡La #LigaSERAM arrancará en octubre! 👏

A partir del 15 de septiembre podrás inscribirte en est competición de casos clínicos donde podrán participar distintos equipos.

Este proyecto de la #SERAM parte de la iniciativa de @residentesSERAM.

i bit.ly/3gLsMmd







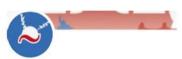
Secciones (7)

@SENR_org (09/2011): 1.749.



SENR_org

@SERAUWeb (09/2015): 1.523.



SERAU

@sediabdomen (04/2016): 2.452.



SEDIA

@SERVEISoc (06/20107): 1.722.



SERVEI - Radiología Vascular Intervencionista

@MskSerme (02/2019): 2.149.



SERME

@SEDIM_RX (11/2018): 392.



SEDIM

@SEICAT_RAD (05/2019): 1.283.



SEICAT









SENR_org @SENR_org · 4/6/21

Has visto alguna vez esta entidad? Caso del mes SENR de Junio (recuerda que pronto sortearemos 2 bolsas de viaje para Reunión Anual de Toledo, enviad vuestros casos!!!!) > senr.org/index.php/caso...

@SERAM_RX @residentesSERAM @seneurologia



Caso del mes junio 2021 - SENR: Bienvenid@ al portal de la SENR (Sociedad Española de Neurorradio...



senr.org

Figura 1

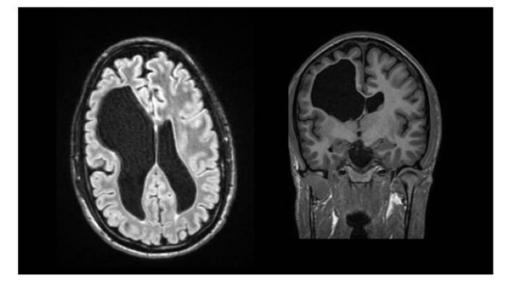
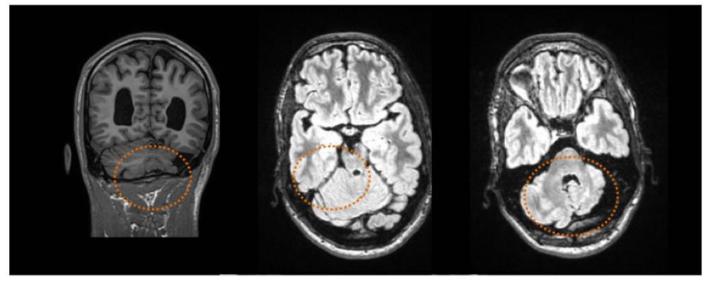


Figura 2







Filiales (5)

@SORMU_RX (01/2018): 992.

@canariaderadio1 (06/2018): 1.211.

@Radiolegs_CAT (03/2019): 133.

@SRadiologiaCV (02/2020): 854.

@SAR_Rad (01/2021): 391.



Sociedad Murciana de Radiología



Sociedad Canaria de Radiología



radiolegscatalunya



Sociedad Radiología CV



Sociedad Aragonesa de Radiología





Sociedad Aragonesa de Radiología

@SAR Rad

Sociedad Aragonesa de Radiología (SAR), filial de la Sociedad Española de Radiología Médica (SERAM)

O Aragón O onlinesar.es Se unió en enero de 2021

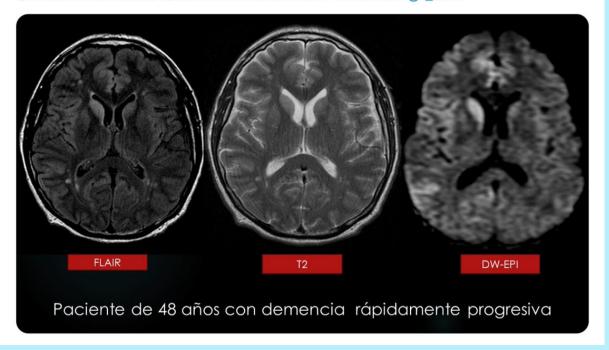
229 Siguiendo 385 Seguidores

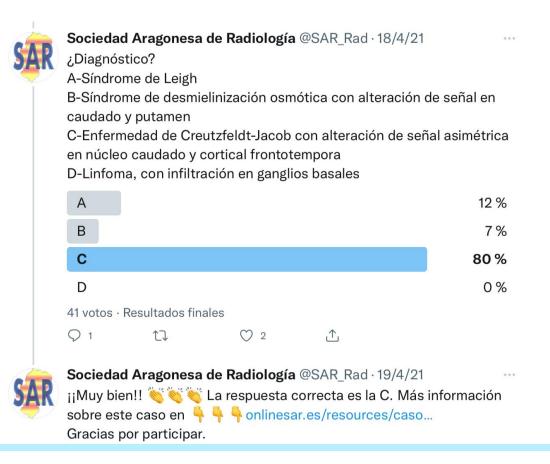




Sociedad Aragonesa de Radiología @SAR_Rad · 18/4/21 Este ha sido nuestro octavo caso

@SERAM_RX @residentesSERAM @ResidentesRayos @SENR_org @TheASNR @SPRneuro @SRadiologiaCV @SORMU_RX @canariaderadio1 @serammeA6SALUD @Radiolegs_CAT









INSTITUCIONES INTERNACIONALES

@RSNA (08/2008): 54.840.

@RadiologyACR (03/2008): 48.743.

@TheASNR (04/2010): 10.581.

@ASHNRSociety (09/2011): 6.170.

@ESNRad (05/2016): 3.186.





The American Society of Neuroradiology

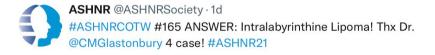






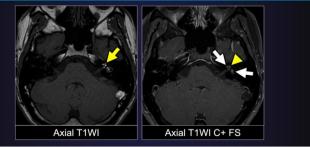






@DShatzkes @CDP_Rad @rhwiggins @callyrobs @nakoontz @cmtomblinson @CincyPedsNeuro @ESHNRSociety @TheASNR @phudge54 @AnnJayMD1 @amyfjuliano @RadRupa @KRileyMD @PhilipRChapman1 @gmoonis

Longstanding Left SNHL





Case courtesy of Christine Glastonbury, MBBS University of California, San Francisco

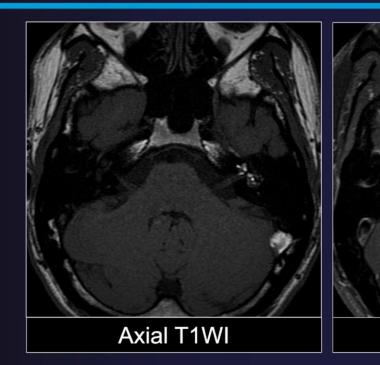
Intralabyrinthine Lipoma

- · Key imaging features:
 - Intrinsic bright signal in the membranous labyrinth on T1WI (yellow arrow) with associated signal loss on fat saturated sequences (yellow arrowhead)
 - · Subtle enhancement (white arrow) suggests associated inflammatory tissue
- Pearls:
- Intrinsic bright T1 signal within the membranous labyrinth results in a DDx of blood products (e.g., trauma, anticoagulation, hematologic disorders), proteinaceous material (e.g., labyrinthitis), or lipoma
- · May be associated with CP angle lipoma
- SNHL is typical presentation



Case courtesy of Christine Glastonbury, MBBS University of California, San Francisco

Longstanding Left



Case courtesy of Christine GI University of California, S

Axial





Radiopaedia.org

@Radiopaedia

Free online collaborative radiology resource. Articles, cases, courses and more.

#foamed #foamrad

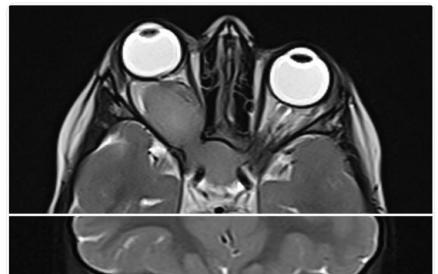
⊗ radiopaedia.org 🖽 Se unió en abril de 2009

464 Siguiendo 68.568 Seguidores

Radiopaedia.org @Radiopaedia · 27/8/21

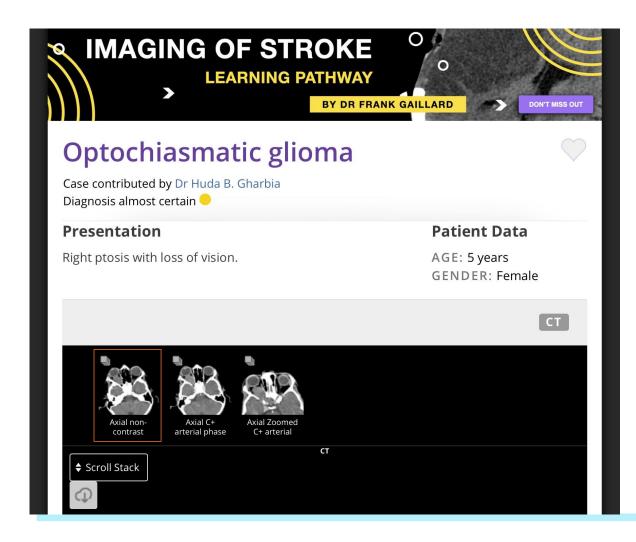
Q: 5yo female with right eye visual loss. What's the diagnosis?

ANSWER: bit.ly/2U9gVSk #FOAMrad #FOAMed









There is hypodense soft tissue mass centred on the right optic nerve in retrobulbar space, shows faint enhancement post-contrast, extend through the right optic canal to suprasellar cistern.

MRI Axial t1_vibe_fs Scroll Stack

Axial t1_vibe_fs



REVISTAS

@Radiology_rsna (04/2009): 41.942.

@RadioGraphics (11/2010): 25.297.

@AJR_Radiology (04/2020): 3.796.

@TheASNR (04/2010): 10.581.

@ASNRographics (05/2005): 2.591.

@NRADjournal (05/2016): 1.417.

@RevistaRADIOLO2 (02/2018): 3.136.



Radiology 🔮



RadioGraphics





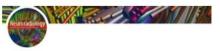
AJR



AJNR



Neurographics



Neuroradiology







AJNR

@TheAJNR

The American Journal of Neuroradiology is a peer-reviewed journal focusing on diagnostic and interventional neuroradiology. Published by @TheASNR

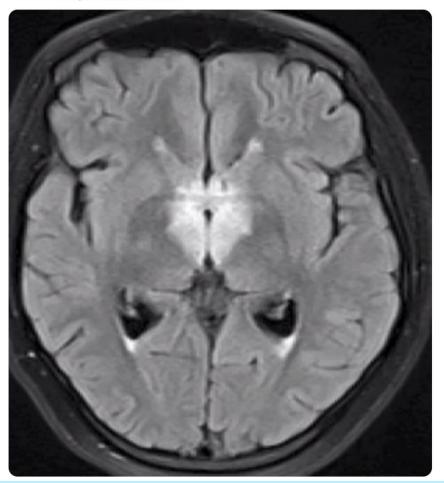
Traducir la biografía

465 Siguiendo 10.807 Seguidores



AJNR @TheAJNR · 23/7/21

AJNR #AJNRcow >> July 22, 2021 >> A 22-year-old woman with headache, decreased responsiveness, increased sleepiness for 10 days, and previous history of longitudinally extensive transverse myelitis. View the case at ow.ly/NQ0e50FCecU.





AJNR "MRI-Visible Perivascular Spaces in the Centrum Semiovale Are
Associated with Brain Amyloid Deposition in Patients with Alzheimer
Disease–Related Cognitive Impairment" | #NeuroRad | bit.ly/3wWBJ1b

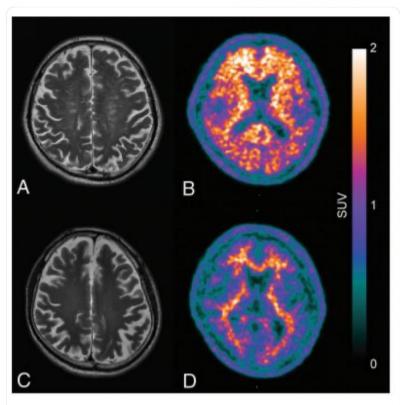
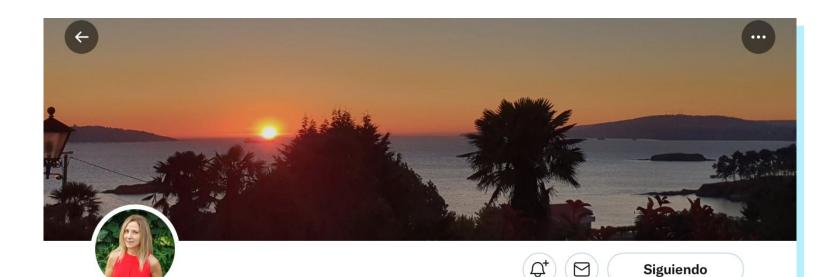


FIG 3. Examples of perivascular space patterns with the corresponding [¹⁸F] FBB PET image. The axial T2-weighted MR imaging shows a high degree of MR imaging–visible PVS-CS (A), and the corresponding [¹⁸F] FBB PET (B) shows pronounced β -amyloid deposition. Axial T2-weighted MR imaging shows a low degree of MR imaging–visible PVS-CS (C) and the [¹⁸F] FBB PET scan (D) shows low β -amyloid deposition.







María J. Díaz Candamio

@Vilavaite Te sigue

Scanning #Medicine and life with a #radiologist gaze Mostly RTs #RadXX #MSKRad #radiology Hospital Universitario A#Coruña Spain @Perbess en #español

20.315 Siguiendo 22.855 Seguidores





Don't miss the latest @Radiographics issue!!

Free for just a few hours!? 😲

https://t.co/OHcdp3rutJ

Beautiful cover:

Prostatic artery embolization of the

@cookyscan1

#Radiology #RadCME #RadRes #FOAMRad #RadEd #Radiología

Traducir Tweet

RadioGraphics



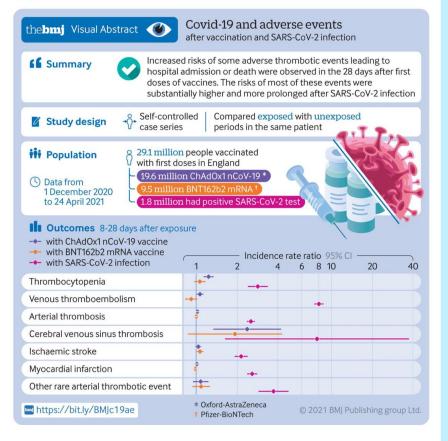


María J. Díaz Candamio @Vilavaite · 27/8/21

Increased risks of haematological and vascular events that led to hospital admission or death observed for short time intervals after first doses of AstraZeneca and Pfizer vaccines

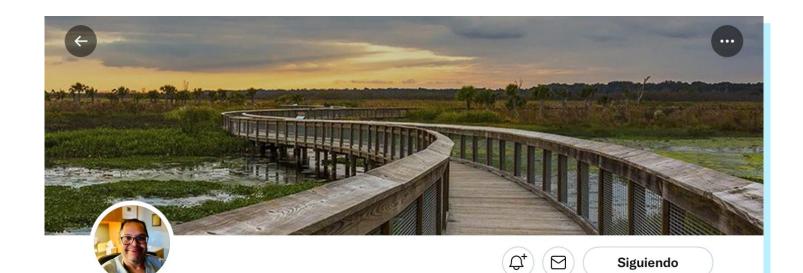
Risks were higher and more prolonged after COVID19 than after vaccination

bmj.com/content/374/bm...









Tan-Lucien Mohammed, MD, FACR

@TLHM_MD Te sigue

Chest Radiologist by day // Chest radiologist by night, too // Equanimity under duress // My tweets are my own // RTs, ♥s, follows ≠ support

Traducir la biografía

463 Siguiendo 4431 Seguidores





Tan-Lucien Mohammed, MD, FACR @TLHM_MD · 11min

#RT - long-term chest imaging abnormalities in patients who have recovered from acute #COVID19 infection From @RSNA #radiology #chestrad @edonnellymdphd @LucyModahlMD @hochhegger @RituGill2014 @ShravSridhar @LeahMuhmLin @farouk_dako @BrixeyAnu @AshleyEProsper @cfmunozn



Radiology

A subset of people recovering from #COVID19 will have persistent chest imaging abnormalities. This study, published in @radiology_rsna, reviews the long-term chest imaging abnormalities in patients who have recovered from acute infection. bit.ly/3s5jKos #ChestRad



👄 Vacations 🤽 @vacationhotelss · 2d

Tenerife, Spain









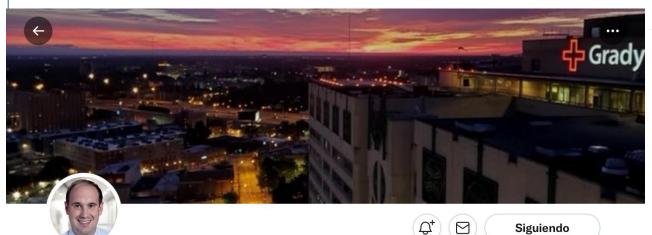
Augment your #neurorad knowledge when you follow these amazing educators:

- @RyanBPetersonMD
- @JudyGadde
- @EMiddlebrooksMD
- @vmargar
- @tabby_kennedy
- @aaronrutman
- @WendeNGibbs
- @MohitAgNeurorad
- @PhilipRChapman1
- @mossabas
- #FOAMrad #radiology #radfollowfriday

Traducir Tweet



- @RyanBPetersonMD
- @JudyGadde
- @EMiddlebrooksMD
- @vmargar
- @tabby_kennedy
- @aaronrutman
- @WendeNGibbs
- @MohitAgNeurorad
- @PhilipRChapman1
- @mossabas



Ryan Peterson 墿

@RyanBPetersonMD Te sigue

#Neurorad @ Emory. Former #ERrad. Assoc PD- #radres & #TY.#FOAMed #FOAMrad. #Dad. Classy on the inside, scrubs on the outside. **Swedish things #EmoryRadCOTD

Traducir la biografía

997 Siguiendo 7295 Seguidores

Tweets	Tweets y respuestas		Multimedia	Me gusta
Q	17 3	♡ 10	1	



Hx: Prior GBM now post op scan following right frontal craniotomy for resection

NO SPOILERS!!! Give answers with GIFs ONLY or submit to bit.ly/ EmoryCOTD

Answer in 24 hrs

#Neuro #Neurorad #Neurosurg #FOAMed #FOAMrad #radres #EmoryRadCOTD



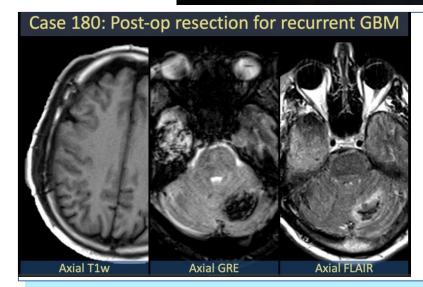


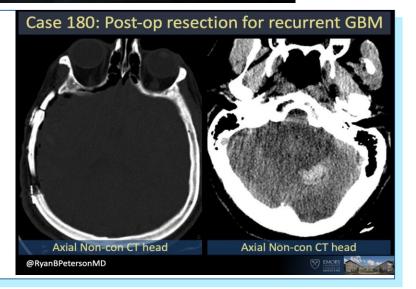


Case 180 Questions

Submit Answers to questions at: bit.ly/EmoryCOTD

- 1. What is the most likely diagnosis?
- 2. What is the mechanism of this abnormality?
- 3. What are potential proposed risk factors for developing this abnormality?









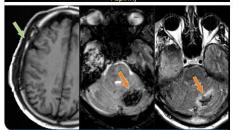
Ryan Peterson 🎏 @RyanBPetersonMD · 18/8/21

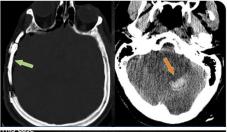
Answer: Remote Cerebellar Hemorrhage

Cerebellar hemorrhage (intraparenchymal or subarachnoid hemorrhage... the ZEBRA sign) due to pressure changes from supratentorial craniotomy. Can be ipsilateral or contralateral. Has benign course but unclear mechanism #EmoryRadCOTD

Submit Answers to questions at: bit.ly/EmoryCOTD

- What is the most likely diagnosis?
 Remote Cerebellar Hemorrhage
- What is the mechanism of this abnormality? Many proposal but no definite mechanism (see info slide)
- What are potential proposed risk factors for developing this abnormality?
 Male sex, perioperative hypertension, anticoagulation (esp Aspirin)





- Right frontoparietal craniotomy with overlying subgaleal drain
 Intraparenchymal hemorrhage in left cerebellum with edema
- Remote Cerebellar Hemorrhage
- Rare (0.4-0.8%) complication from supratentorial craniotomy
- Self limiting and benign course (might need f/u CT)
- Can be contralateral or ipsilateral
- Proposed mechanism is unknown
- Opening ventricle or cistern with patient in supine position →
 CSF hypoattenuation → transient occlusion of bridging
 cerebellar veins → hemorrhagic infarction
- Oversuction → downward displacement of cerebellum → tearing of the superior cerebellar veins
- Debatable risk factors (see answer slide)

Case 180 Answers

Submit Answers to questions at: bit.ly/EmoryCOTD

- 1. What is the most likely diagnosis?

 Remote Cerebellar Hemorrhage
- 2. What is the mechanism of this abnormality?

 Many proposal but no definite mechanism (see info slide)
- What are potential proposed risk factors for developing this abnormality?
 Male sex, perioperative hypertension, anticoagulation (esp Aspirin)

Case 180: Remote Cerebellar Hemorrhage

This Case

- Right frontoparietal craniotomy with overlying subgaleal drain
- Intraparenchymal hemorrhage in left cerebellum with edema

Remote Cerebellar Hemorrhage

- Rare (0.4-0.8%) complication from supratentorial craniotomy
- Self limiting and benign course (might need f/u CT)
- Can be contralateral or ipsilateral
- Proposed mechanism is unknown
 - Opening ventricle or cistern with patient in supine position →
 CSF hypoattenuation → transient occlusion of bridging
 cerebellar veins → hemorrhagic infarction
 - Oversuction → downward displacement of cerebellum → tearing of the superior cerebellar veins
- Debatable risk factors (see answer slide)
- Don't confuse this for more ominous pathology

Reference: Amini et al. AJNR. 2005











Judy Gadde, DO, MBA

@JudyGadde Te sigue

Pediatric Neuroradiologist. Cofounder @RadiologySIG. @HarvardMacy scholar. Lurie Children's Hospital of Chicago. #MedEd #LuriePedsNeuro NeuroradiologyU.com

Se unió en abril de 2017

2207 Siguiendo 6781 Seguidores





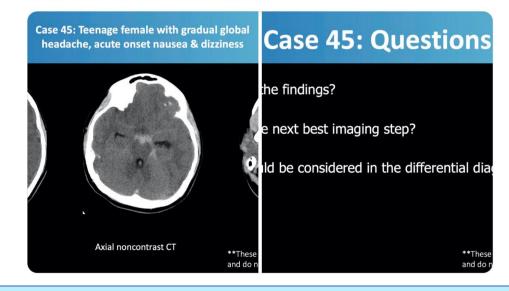
Judy Gadde, DO, MBA @JudyGadde · 3d

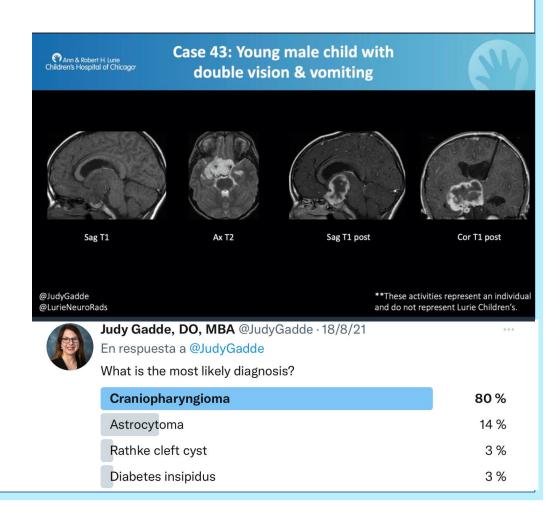
Lurie Peds Neuro Case #45

History: Teenage female with gradual global headache, acute onset nausea & dizziness

*Only reply with GIFs. NO answers or spoilers.

#LuriePedsNeuro #FOAMrad #FOAMed #MedEd #NeuroRad #PediNeuroRad @LurieNeuroRads











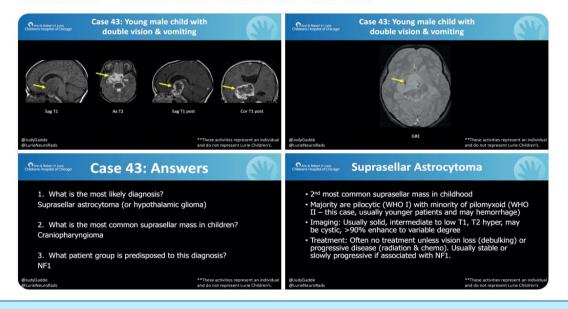
Judy Gadde, DO, MBA @JudyGadde · 20/8/21

En respuesta a @JudyGadde

ANSWER: Suprasellar astrocytoma/hypothalamic glioma

Often stable or slowly growing, especially if associated with NF1. Usually T2 hyperintense and enhances.

#LuriePedsNeuro #COTW #radres #futureradres #radiology #radtwitter #neurotwitter #FOAMrad #FOAMed





Case 43: Answers

- What is the most likely diagnosis?

 Suprasellar astrocytoma (or hypothalamic glioma)
- 2. What is the most common suprasellar mass in children? Craniopharyngioma
- 3. What patient group is predisposed to this diagnosis? NF1

@JudyGadde @LurieNeuroRads **These activities represent an individua and do not represent Lurie Children's.



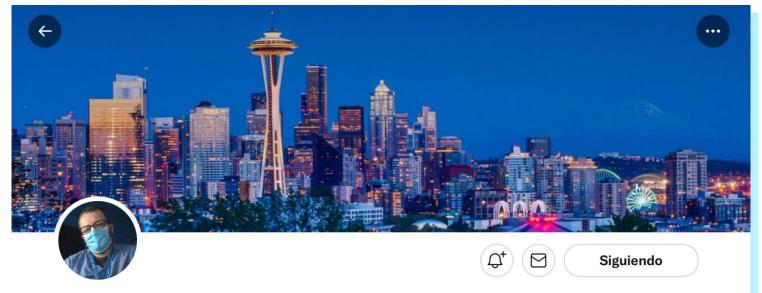
Suprasellar Astrocytoma

- 2nd most common suprasellar mass in childhood
- Majority are pilocytic (WHO I) with minority of pilomyxoid (WHO II this case, usually younger patients and may hemorrhage)
- Imaging: Usually solid, intermediate to low T1, T2 hyper, may be cystic, >90% enhance to variable degree
- Treatment: Often no treatment unless vision loss (debulking) or progressive disease (radiation & chemo). Usually stable or slowly progressive if associated with NF1.

@JudyGadde @LurieNeuroRads **These activities represent an individual and do not represent Lurie Children's.







Aaron Rutman, MD

@aaronrutman Te sigue

Neuroradiologist, @kpwashington, @UWRadiology clinical assistant professor, UW SOM #neuroanatomy instructor; photography, guitar, baseball, dad of 3 #neurorad

342 Siguiendo 1866 Seguidores





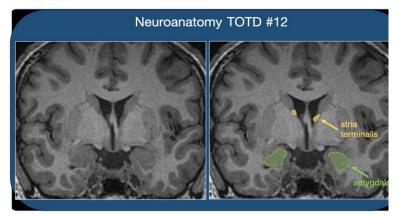
Neuroanatomy TOTD #12

The green structure is the amygdala (amygdaloid body) an the yellow structure is the stria terminalis (ST).

1/18

#meded #FOAMed #FOAMrad #medtwitter #medstudent #radiology #neurorad #radres #neurology #neurosurgery #neuroanatomy #neuroanatomyTOTD

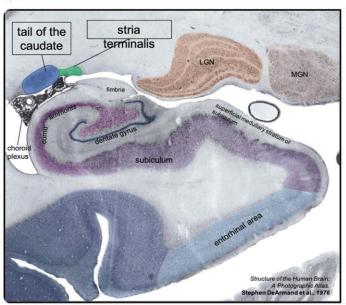
Traducir Tweet



Aaron Rutman, MD @aaronrutman · 2/12/20

ST emanates from the amygdala adjacent to the hippocampal fimbri and extends posteriorly along the roof of the temporal horn medial t the caudate tail. The proximal ST is not well seen on imaging--not distinguished from the fimbria, caudate tail, and choroid plexus.

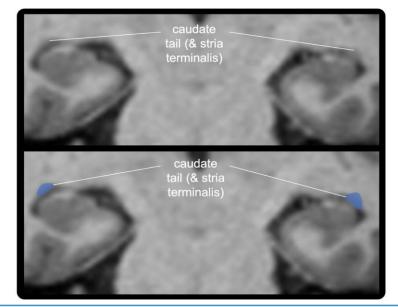
5/18



Aaron Rutman, MD @aaronrutman · 2/12/20

Have seen residents mistake this periventricular gray matter for abnormal GM heterotopia when prominent. Nope—this is normal caudate tail/ST along roof of the temp horn of lat ventricle-variable in size across patients, some subtle (like this image), some more prominent.

6/18









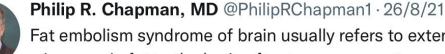
Philip R. Chapman, MD

@PhilipRChapman1 Te sigue

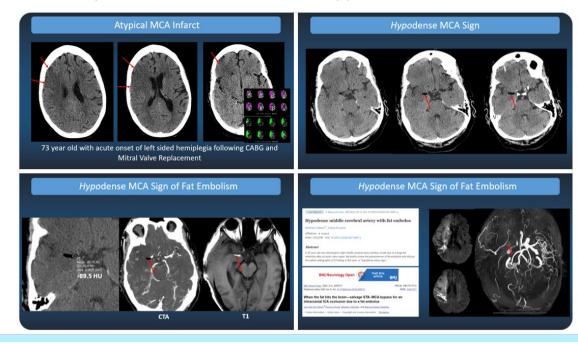
Neuroradiologist | Neuroradiology education | Sharing the interesting neuro where the images tell the story |

O Durham, NC Se unió en mayo de 2019

522 Siguiendo 3203 Seguidores

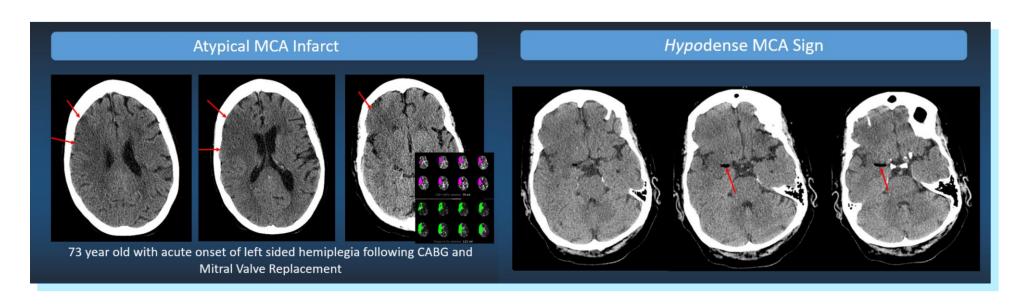


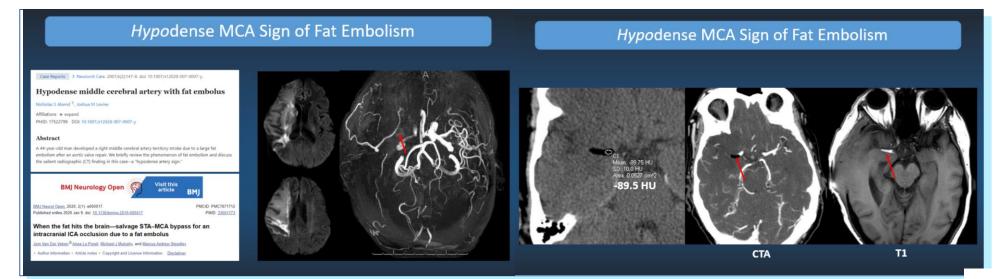
Fat embolism syndrome of brain usually refers to extensive embolism of microscopic fat to the brain after trauma or surgery resulting in numerous tiny infarcts with microhemorrhage. But embolization of macroscopic fat can take on a different appearance.



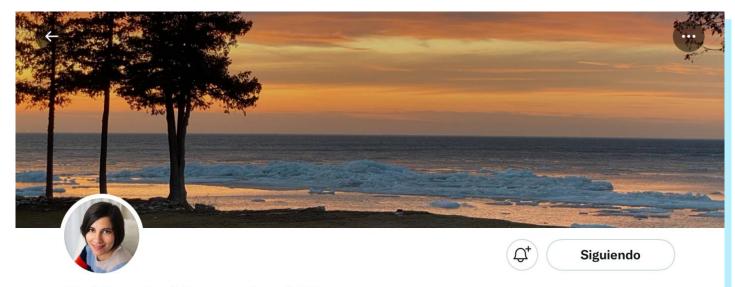












Tabby A. Kennedy, MD

@tabby_kennedy

Neuro + Head & Neck Radiologist | Wisconsin/MIR/PENN/Pomona/JBS | tweets my own learningheadandneck.com

466 Siguiendo 3335 Seguidores





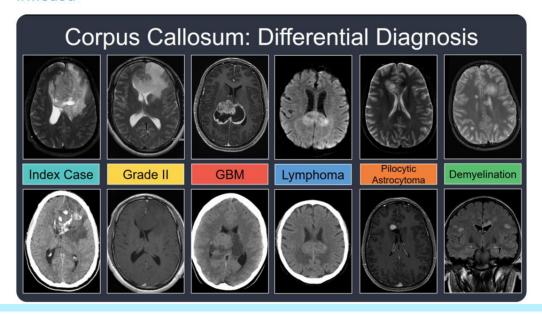
Tabby A. Kennedy, MD @tabby_kennedy · 4/8/21

DDx for Lesions in the Corpus Callosum: Includes the spectrum of glial neoplasms, lymphoma, demyelinating disease & toxic/metabolic conditions.

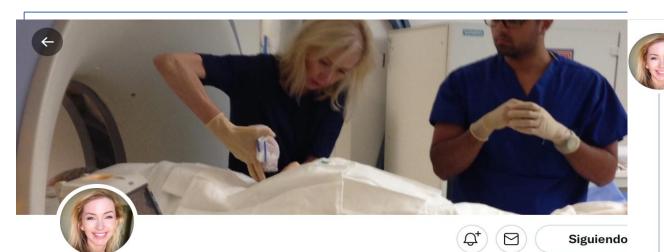
Want to learn about distinguishing imaging features?

Register for a great conference next week @TheASNR #CNC21 for more!

#Meded







Wende Gibbs

@WendeNGibbs Te sigue

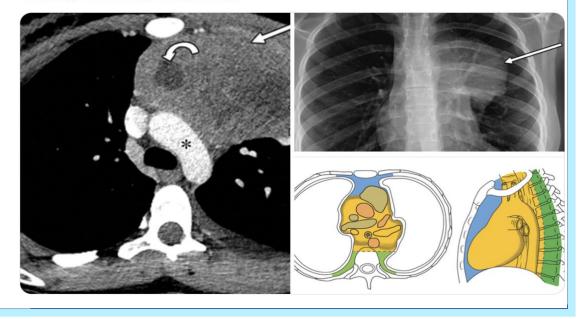
Neuroradiologist, Alum: @BarrowNeuro @GeorgetownSFS #Spine #Oncology #Standardization and reporting #AI/#ML Quality and value

Se unió en mayo de 2016

3284 Siguiendo 6480 Seguidores

Wende Gibbs @WendeNGibbs · 2d

Do you know how to approach a mass like this one? Great podcast describing an approach to mediastinal masses @RadioGraphics: rsnaradiographics.libsyn.com/issue-summary-... #radres #foamed #FOAMrad







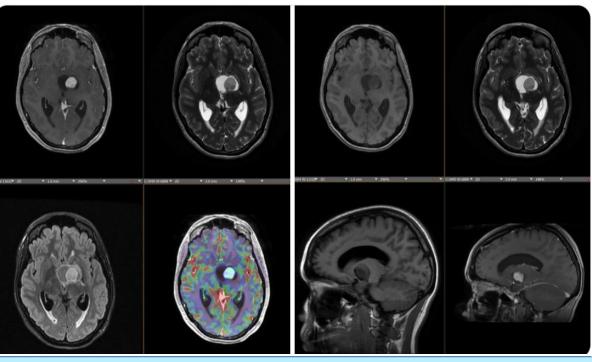


Wende Gibbs @WendeNGibbs · 3d

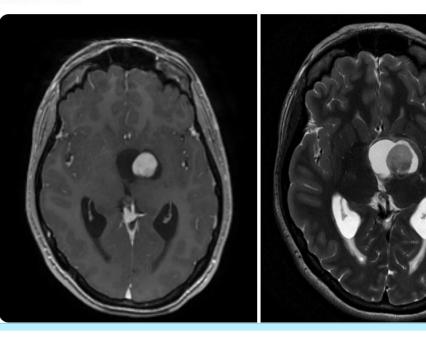
18 year old- not too many things this could be. What do you think? #radres #neuorad #neurosurgery



A third ventricle?? **
#neurorad #neurosurgery



Traducir Tweet









Mohit Agarwal

@MohitAgNeurorad Te sigue

Director Neuroradiology Fellowship Program MCW Milwaukee lifelong learner and educator @MCWNeurorad #MCWNeuroradBTW #TheCortexClub #potterhead

Siguiendo

Milwaukee United States
Pecha de nacimiento 2 de octubre

Se unió en abril de 2017

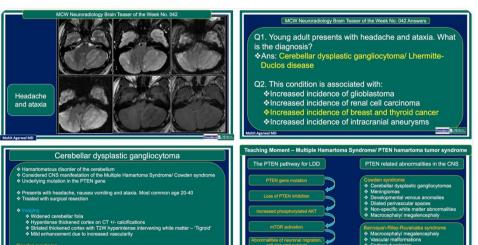
753 Siguiendo 2031 Seguidores



Mohit Agarwal @MohitAgNeurorad · 20/8/21 #MCWNeuroradBTW 042 Ans: Lhermitte-Duclos

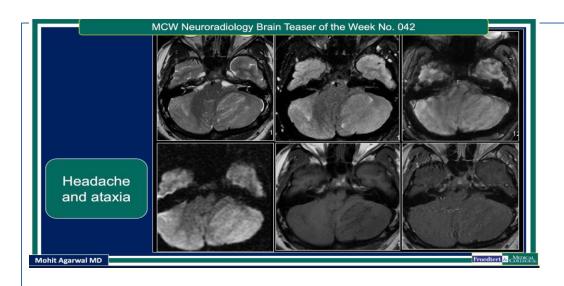
Check out #TeachingMoment on PTEN in CNS

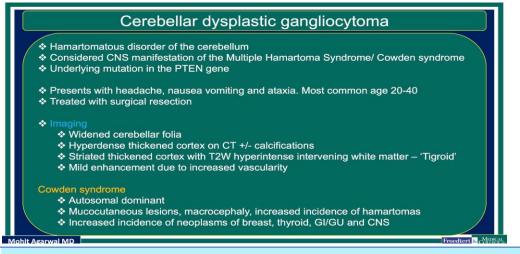
#FOAMed #FOAMrad #radres #MedEd @TheASNR @ARRS_Radiology @BSHNI_UK @ESNRad @BshniTrainees @RANZCRcollege @ESHNRSociety @RadDiscord @MCWNeurorad @theASFNR @MCWRadIntGroup @The_ASPNR











Q1. Young adult presents with headache and ataxia. What is the diagnosis?

Ans: Cerebellar dysplastic gangliocytoma/ Lhermitte-Duclos disease

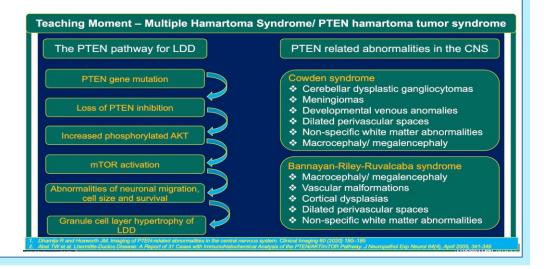
Q2. This condition is associated with:

Increased incidence of glioblastoma

Increased incidence of renal cell carcinoma

Increased incidence of breast and thyroid cancer

Increased incidence of intracranial aneurysms







Masaki Komiyama 🕑

@kanachan2020

Neurointerventionalist and husband. I like embryology and functional anatomy of cerebral vessels and HHT, and dogs and vertebrates. Tweets mine.

Traducir la biografía

- Se unió en enero de 2020

147 Siguiendo 2041 Seguidores





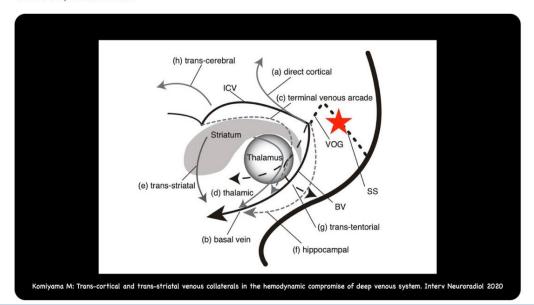
It has been believed that there is no connection between ICV and Galenic vein in VGAM, which is theoretical basis of transvenous embolization.

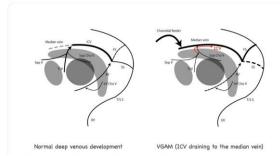
This is not true. Such connection may exists!



Masaki Komiyama ● @kanachan2020 · 19/7/21

Cerebral venous system is composed of superficial and deep systems. When normal drainage route of the deep one is compromised, collaterals between two systems will function. They include transmedullary (cerebral), trans-striatal, thalamic vein, etc. doi.org/10.1177/159101...

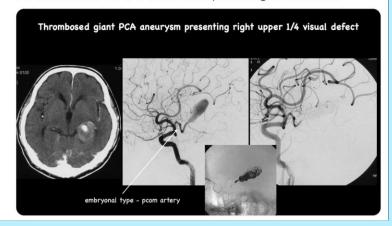






Masaki Komiyama <a> @kanachan2020 \cdot 8/5/21

Embryologically, P2-4 of PCA are telencephalic branches of primitive anterior choroidal artery. Thus, there are various variations of Acho artery and PCA branching. This also suggests high tolerance of proximal PCA sacrifice for PCA An due to rich leptomeningeal collaterals.









Ahmed Elkady, MSc

@ahkady86 Te sigue

Medicine is a science of uncertainty and an art of probability

Traducir la biografía

O Jeddah, Kingdom of Saudi Arabi Fecha de nacimiento 31 de diciembre

Se unió en abril de 2019

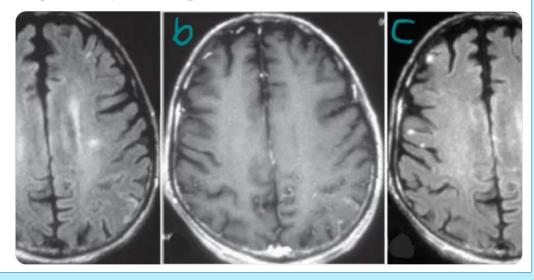
57 Siguiendo 122 Seguidores



Ahmed Elkady, MSc @ahkady86 · 27/7/21

#FOAMed #FOAMneu #neurorad @vmargar

Case Sc: Male pt 65 yo, lung SCC, has severe headache, & seizures a) Flair multiple hyperintense lesions; b) T1 contrast enhanced (CE) unremarkable; c) Flair CE multiple cortical enhanced lesions Diagnosed Lepotomeningeal carcinomatosis









Ahmed Elkady, MSc @ahkady86 · 27/7/21

En respuesta a @ahkady86

Flair CE in CNS Disorders:

T1 CE faintly lesions might depicted more clearly on FLAIR CE, so highly effective in detection of sulcal or meningeal infection, inflammation and metastases, but marked T1 CE lesions show no FLAIR CE because the signal-reducing T2 effects obscure it

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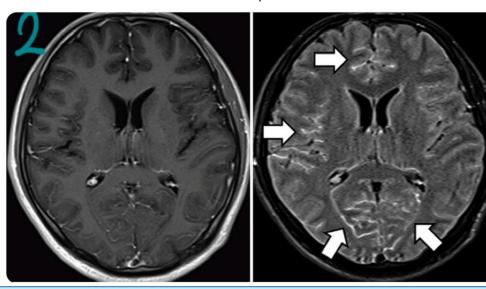
 \triangle



Ahmed Elkady, MSc @ahkady86 · 27/7/21

2. Leptomeningeal Infection

FLAIR CE is more effective than T1 CE as it doesn't demonstrate enhancement in the normal vascular or meninges that can be confused with abnormal enhancement on T1 CE, beside its extreme sensitivity to minimal modification of the CSF composition

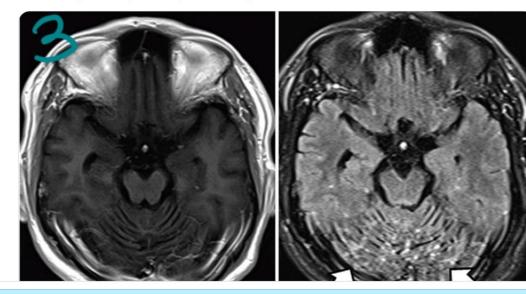




Ahmed Elkady, MSc @ahkady86 · 27/7/21

3. Leptomeningeal Neoplasm

CSF cytology is most specific test, but could be false-negative. T1 CE has been used as a reliable technique for confirming diagnoses and assessing the extent of a lesion and its response to therapy, FLAIR CE show superiority for leptomeningeal disease





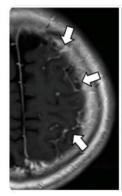


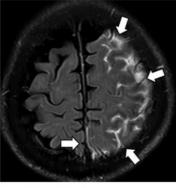


Ahmed Elkady, MSc @ahkady86 · 27/7/21

4. Rheumatoid leptomeningitis

is a rare but serious complication of RA. Characteristic MRI are high signal intensity lesions in the subarachnoid spaces on FLAIR images or DWI & meningeal thickening more prominent in Flair CE than T1 CE, especially with CCP antibodies





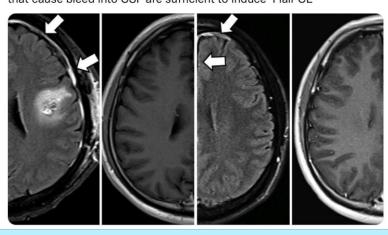


1

Ahmed Elkady, MSc @ahkady86 · 27/7/21

Pachymeningeal lesions

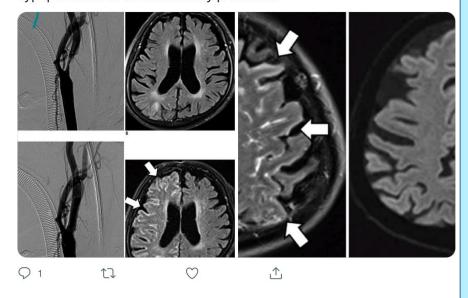
Postoperative (5) & posttraumatic (6) dural enhancement Flair CE is more extensive & persistent than T1CE. Posttraumatic dural enhancement implies considerable head injury, even minor lacerations that cause bleed into CSF are sufficient to induce Flair CE





Ahmed Elkady, MSc @ahkady86 · 27/7/21

Hyperintense Acute Reperfusion Marker (HARM)
Is Flair CE of subarachnoid CSF space, caused by leakage of Gd
through disrupted BBB, transient wo neurological sympts post carotid
stenting(7) Post cardiac surgery, or acute ischemia(8) due to
hypoperfusion or thrombectomy procedure





Ahmed Elkady, MSc @ahkady $86 \cdot 27/7/21$

doi.org/10.1148/rg.272... doi.org/10.3348/kjr.20...

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Deborah Shatzkes

@DShatzkes Te sigue

#HNRAD, proud past president of @ASHNRSociety, @AIRP_Radiology faculty, mom/wife/lousy runner, tweets my own

Traducir la biografía

Asbury Park, NJ Se unió en marzo de 2015

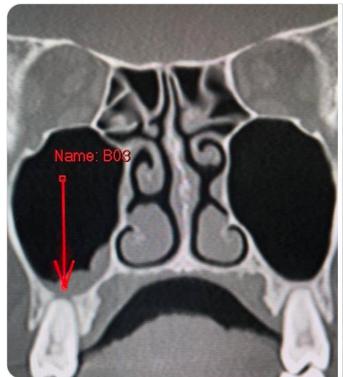
370 Siguiendo 2347 Seguidores

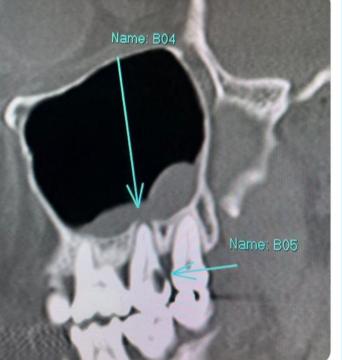




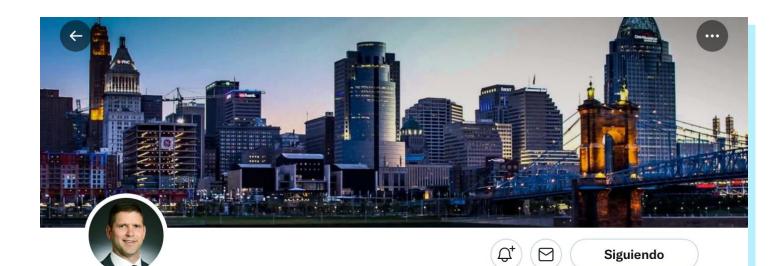
Deborah Shatzkes @DShatzkes · 19/8/21

Sometimes I think the most useful thing I do for patients is identify unsuspected odontogenic sinusitis. #dontforgettheteeth #doesntneedFESS @KateEDean @ASHNRSociety @ESHNRSociety #ASHNR21









William T. O'Brien, Sr.

@CincyPedsNeuro Te sigue

Chief, Neuroradiology & Director, #PediNeuroRad Fellowship, @CincyKidsRad | @WestPoint_USMA & @PCOMeducation alum | @USAirForce retired | 🚑 🎇 👺



© Cincinnati, OH © Fecha de nacimiento 7 de diciembre

Se unió en noviembre de 2017

1481 Siguiendo 4253 Seguidores





William T. O'Brien, Sr. @CincyPedsNeuro · 14/5/21

Challenging #PediNeuroRad Case

#CincyPedsNeuroCase for the Weekend

Slide 1: History & images at presentation

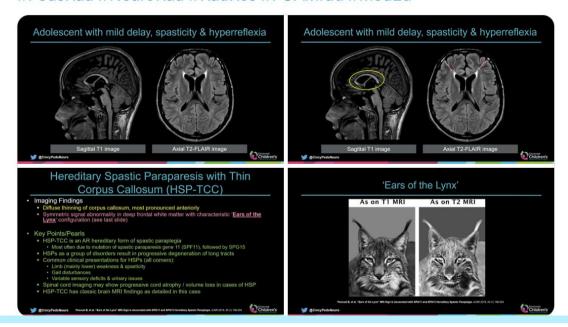
Slide 2: Annotated images

Slide 3: Answer & key points

Slide 4: Illustration of key finding

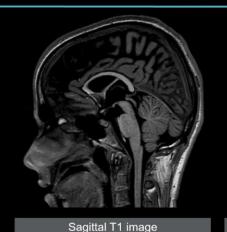
Have a great weekend...

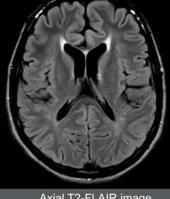
#PedsRad #NeuroRad #RadRes #FOAMrad #MedEd





Adolescent with mild delay, spasticity & hyperreflexia



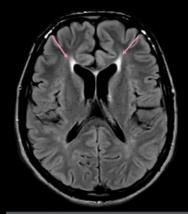


Axial T2-FLAIR image



Adolescent with mild delay, spasticity & hyperreflexia





Sagittal T1 image

Axial T2-FLAIR image



'Ears of the Lynx'

As on T1 MRI



Pascual B, et al. "Ears of the Lynx" MRI Sign Is Associated with SPG11 and SPG15 Hereditary Spastic Paraplegia. AJNR 2019; 40 (1) 199-203



@CincyPedsNeuro



Hereditary Spastic Paraparesis with Thin Corpus Callosum (HSP-TCC)

Imaging Findings

@CincyPedsNeuro

- Diffuse thinning of corpus callosum, most pronounced anteriorly
- Symmetric signal abnormality in deep frontal white matter with characteristic 'Ears of the Lynx' configuration (see last slide)
- Key Points/Pearls
 - HSP-TCC is an AR hereditary form of spastic paraplegia
 - Most often due to mutation of spastic paraparesis gene 11 (SPF11), followed by SPG15
 - HSPs as a group of disorders result in progressive degeneration of long tracts
 - Common clinical presentations for HSPs (all comers):
 - · Limb (mainly lower) weakness & spasticity
 - Gait disturbances
 - Variable sensory deficits & urinary issues
 - Spinal cord imaging may show progressive cord atrophy / volume loss in cases of HSP
 - HSP-TCC has classic brain MRI findings as detailed in this case

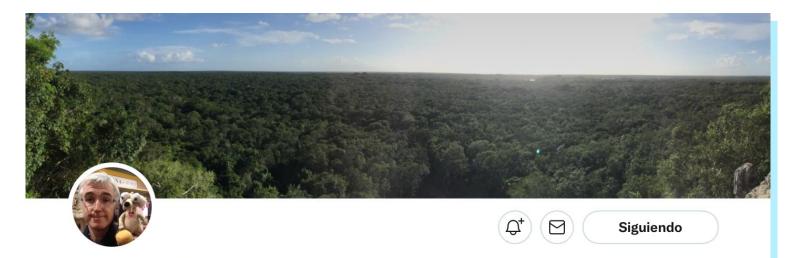


Pascual B, et al. "Ears of the Lynx" MRI Sign Is Associated with SPG11 and SPG15 Hereditary Spastic Paraplegia. AJNR 2019; 40 (1) 199-2









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adult and pediatric neuroradiologist, opinions are my own (whose else could it be? \bigcirc)

512 Siguiendo **1327** Seguidores





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Incidental craniopharyngeal canal type 1 (and other findings) in "cridu-chat" syndrome (5p- syndrome), must be distinguished from spheno-occipital synchondrosis . Why "type 1"? Have a look at @CMGlastonbury and colleagues' brilliant paper! ajnr.org/content/ajnr/3...

