O ASSION ACADEMIC TEA

## Central Nervous System

SHEET#1-SMALL GROUP DISCUSSION (SGD)

LEC. TITLE: CEREBROVASCULAR ACCIDENT

(STROKE)

WRITTEN BY: RAZAN AHMED

If you come by any mistake, please kindly report it to shaghafbatchegmail.com

## Case for small group discussion: Cerebrovascular accident (Stroke): A 65 years old male with history of chronic arterial systolic hypertension, non-insulin dependent diabetes,

Past medical history is significant for one attack of transient painless loss of vision in the right eye 6 months ago, and an attack of right-sided weakness, which gradually improved one year ago. Physical exam revealed normal pulses, normal heart sounds, and a carotid bruit on the right. Neurologically, he had dysarthria and dysphasia (aphasia). There was right lower facial weakness,

weakness in the right arm and leg, and right homonymous hemianopia. Tone was increased on the right.

and heavy smoking for the last 40 years, presented with acute onset right-sided weakness. He went to bed at 11 pm and woke up in the morning at 7 am with weakness involving the right side of the face, arm, and to a lesser degree the leg. His family also noted his speech was slurred and he had difficulty producing words. He did not have any change in the level of consciousness and no visual problems. He was taken to the

## **Ouestions:**

- 1- Localize were would the lesion most likely be and why?
- 2- What is the most likely pathology of the lesion?

Reflexes were brisk on the right with positive Babinki sign.

emergency room and reached there at 8 am.

- Identify the most likely etiology for that pathology.
- 4- Identify the risk factors this patient has.
- 5- How would you expect the physical findings to be had this patient had a lower motor neuron disease instead?
- 6- Discuss the available treatment options for this patient, medical and surgical if relevant.

راعا الحالقة الداقعة / فحص سردد to Cul / History وعمر المعامة على مندورات وحيره وا تعراقات ... the reflect ismi/www. glind history عد ساماق سيت ركون سنتشر منها \_ Chalenois - the the She was the celor ables - whe 6 do - startist موائل اربع مي حفل كال مالا . - 2, Con adraNL case(1) (65 year) (No child) . ains gender no solve you con the fire القراسية وركازولا الملطات - all hint some واولع سردة وادع كن تواللوال · 415-1/ 1/2 care A deso belations a Gest Esta - St (18 Ges de proling one hypertension Non instien dependent Capalcand dos Arix e toro cirlo NVirox (heavy smoker.) Ediso - 1 istoly form & - Expositive pto 05 معدد کا محال دخان Abse

0

Acute onset tight sided its alloward @ \* presented with weakness F \_ es/20 628/quel \_ o ins le asien lexa "pupa Cell Vino ous dicel ails Grade tiets - everience . حس على عوسه (weak) - dlo codals - Goil Não súa - L'All alles 6 to X - 62 1660 - cedisto ما عقالای . lever 11 jet 1 seles and 2 sell confish a to who made past medic transient painty (duscity) painless فقدر فرنة العدى المعيق bis vision Francient Tichenic attach \* hemipopia ( कार्ड कर्मिक कार्य · 000 4 -2999 Rew menets R weaknes lis The Ischemit Ges - l'à Neuro attent वरी अविवा प्रिय कंटक mecation who men strong - anso るとしている at is 19 The ENGO attack & sire o's les weekness (extended 2 20) ous de alsh Sacher Us a sigle All gull de

= abnormal sound of ressels. cus - proi abnormal Alow - terbelant is on ? -- stonosis ous significant . -Proi / stenosis () Neurological - cesal 6 R- Love Fuelal weekm approximall speach R heminimus heminopia L visual field deficial - (Right) WILS aren Reye affected In same half of visual held eye るりしむらん - 4 Gerá افتحوا الت - دغرى -معرقة علاكساكم بها che legan fred. Shinulus 119 hour 116 242 . intooblash Ego JEUI822 - Jone Mercente 05/19 reflexes -British sigh atromal = ( til) e e e e e soul of Food Shimulus gall down (الرتفع لفنوى \_ مما والم extension - major abnormel one dexs face arm leg / speach -

or embolism. - Unier cogli! - thrombosis 534 ales to विशेष्डाम्पर्ट arters L Hiddle cerobral distribution I amus - affect by week Is. Report Face area Pas-2 Contralatoral side ist hemy aib - Lew M hemanopla ischemic o one most less lifiteative West Necrosis تعلل بالأصار 28 emborl, curotid brol · ones - Contract throw GAHER mid brain 3 debuch Atherosc seed cerebral arters Carolil proi es With middle ships I where embolion re colo WEX Side left N - min Blood clot - (infarction) - patho wated

Atheroscleros thrompu) total obstruct - other promps rodinos y L. cerebral artery. Rich Sach \* diapelies \* Age -\* hypertensiv past Medical history attact transient ischemic Small implec The US siles heart arrial Fibrilation صاداك لافاكمالمسل other wisk out Ferchembouls loss of Johnshion - Gerls latil + empols clos (Stroke) - transfent VISIE (4) S 220 do 26 - 4122039 440 - Fatal g gerebro usculas perminant damage shoke upper motor wer motor \* manifiskation - upper motor -, hyper/low reflexes\_ a loute motor Nevron loss of reflexis-. Placed paralysis

6

spashe is les distribution # - Ge N ve 3 dirikals by 1080 5- How You expet -- upper sinches a Bublishes one hyper ritlexic tone increase Leves lower hypotonis - glla Flacid Thomas ion Q. upper - hypereflexia \_sabinki sign\_ Lover + upper moter neuron ورفنا المتشخيب - كالا - speci sti stroke a 1812 ditish thrombys · Longia thrombolisis IU Sheptokinase Aliphaze within the 251 4 hours of attach or hemorhagy scan ورد دونها - redrain le Is chemic shoke below Tois or pusminate l'es's obstruction مت 6 thrombs

8019 thrompictomy Jas, 00/81,1261 Iv- whose Hssue plasminoger achvahe-Shake athero sc throms emboul, Right lift side cerchinal & total Medial left cerebral a. ischeniu lifiquehr infarchion. distributio of contralateral heminophin disphasta -Color \_ copilo to she cooks upper motor one Newon St siphal cord. weetiness - hypereflexia Ht - o thrompolisis cele Solisi - Harampickomy I dissour Lacology To bistue plasminegen achillies \* 21 001 00 The co - 21 000 1 co D -Ischem are d'8

early Madreis - isi polls eres

essente ele il - 4 M-8 - siete o ..

7

Risk Factors [ Moditiable فادرأ مد لها فلدارادى · smaking the · 2 ryger tension - of the Ko - Risk 112 15, Silan 112 JSX1 602 1 life state. - Ju diet -> hypertension - Mapeties \* past redical history \* عزالم الم صاعب ما را الله والحالم أوصا توفي فجاه appeal beed Wellson

والد تو ما يع معن مثل

( NON modificable · Age % , SIX = gender make Ferde

. family history sightak Lichas scelpts also cebis.

عامد الا خاريد الله

الم المنظم -- case apisk - clew & 80 100 bay

USHIE Main la 80 100 bay

- clew & 80 100 bay

- cl ماولودلوا لمنك لو معاكم وفت ast 1565 cm (25/2 69.250 :11 cm 20006 1 to 1008 شرت اعارك و . ...