

29-07-2022

Brain Aneurysm

Why in Newspapers?

Recently, actor Emilia Clarke, who starred in 'Game of Thrones', revealed in an interview to BBC that she had two brain aneurysms attacks when she was shooting in 2011 and 2013 but she was safe from it.

Quick Issue?

- Brain aneurysm, also known as cerebral arteritis, is a dangerous disease. An aneurysm is an inflammation of the arteries and veins in any part of the body due to the weakening of the outer layer. This usually occurs in the aorta, behind the knees, in the brain or intestines. If an aneurysm or aneurysm ruptures, it can also cause internal bleeding and stroke.

Other Key Facts?

Reduce Risk

- Being mostly congenital, it is not always possible to prevent an aneurysm but some lifestyle changes can help reduce the risk. These include quitting smoking, maintaining a healthy blood pressure by following a balanced diet, maintaining a healthy body weight, and avoiding a high cholesterol diet.

Historical Background?

- According to the study known so far, some common symptoms of aneurysm have been reported such as - increased blood pressure, rapid heartbeat, sudden bleeding from the person's body, dizziness, feeling of severe pain in the nerves or changes in vision. Happen.
- Although no specific reason for this has been known, but the researchers of this disease have given some common reasons such as brain injury, smoking, blood clotting problems, excessive obesity, 35 to 55 years. Older people are at higher risk, weakening of the outer layer of the artery due to deterioration of arterial tissue, etc. This can happen due to excessive bleeding during pregnancy.
- Aneurysms or aneurysms are usually not detected, leading to screening for patients requiring monitoring or treatment. Women have a lower risk of developing an aneurysm while men should definitely undergo ultrasound screening at age 55 and older, especially those who are more regular smokers.
- MRI scans are useful for identifying aneurysms, allowing early detection of prevalent symptoms. A CT scan is preferred if the aneurysm has ruptured and there is a risk of bleeding into the brain. For better treatment, the exact area is identified and in case of excessive bleeding, an angiogram is performed.
- A device called flow diversion stent for early stages is a new innovative initiative for the treatment of aneurysms.
- A cylindrical metal mesh stent is placed inside the sac of the parent's blood vessel to divert blood flow from the aneurysm. The purpose of diversion is to prevent breakage.
- Flow diversion can be used to treat large or giant wide-necked brain aneurysms.



Likely Question Asked In Preliminary Exam

Que. Which country's doctors used a robot to perform surgery for the treatment of brain aneurysms?

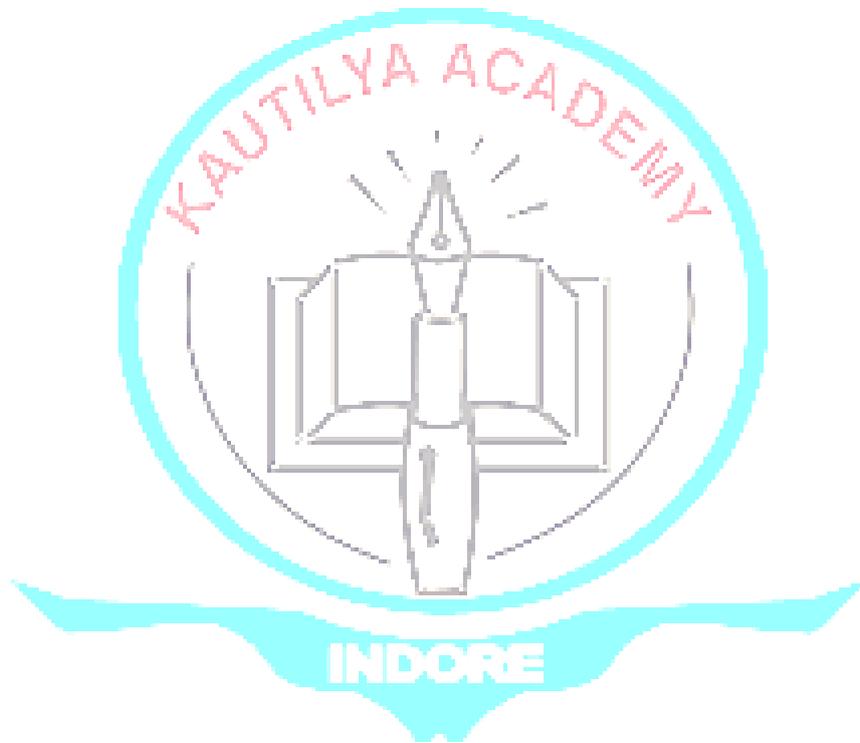
(a) Sweden

(b) U.S.

(c) Canada

(d) Germany

Answer- (c) Canada





Trade Infrastructure Scheme for Exports (TIES)

Why in Newspapers?

Recently, the Central Government has released Rs 206 crore to the states to promote exports under the Trade Infrastructure Scheme for Exports (TIES) initiative.

Quick Issue?

- Financial assistance has been approved for 27 export infrastructure projects during the financial year 2019-20 to 2022-23 under TIES.

Historical Background?

- The Union Ministry of Commerce and Industry launched the Trade Infrastructure for Exports Scheme (TIES) in the year 2017.
- After the states withdrew from the Infrastructure Creation and Assistance for Export and Development (ASIDE) scheme in the year 2015, the state governments were continuously requesting support from the Centre for the creation of export infrastructure.
- To assist Central and State Government agencies in creation of appropriate infrastructure for the growth of exports.
- The benefits of this scheme are provided by the states through their implementing agencies with important export linkages like border markets, land, customs centres, quality testing and certification laboratories, cold chains, trade promotion centres, export warehousing and packaging, SEZs and ports/airports. Airports, cargo terminals as well as infrastructure projects can be taken up.
- Central government assistance for infrastructure creation will be in the form of grants-in-aid, usually not exceeding 50% of the equity being put in by the implementing agency or the total equity in the project.
- In case of projects located in North-Eastern States, Himalayan States (including Union Territories of Jammu & Kashmir, Ladakh), the grant may be up to 80% of the total equity.

Other Key Facts?

- Negative list of projects which will not be considered under this scheme
- Projects that come under sector specific schemes like Textile, Electronics, IT.
- General infrastructure projects like highways, electricity etc.
- General infrastructure projects like highways, electricity etc.
- Projects where excessive export linkage cannot be established.

Likely Question Asked In Preliminary Exam

Que. Trade federations are related to which of the following?

- | | |
|-----------|---------|
| (A) GNDU | (B) BHU |
| (C) INTUC | (D) LDC |

Answer: (C) INTUC