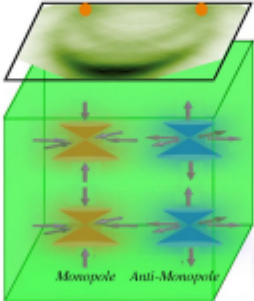
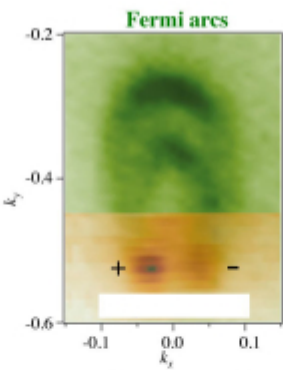


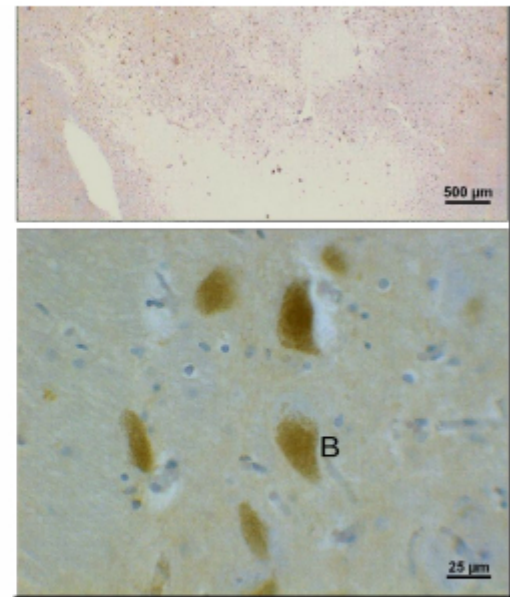
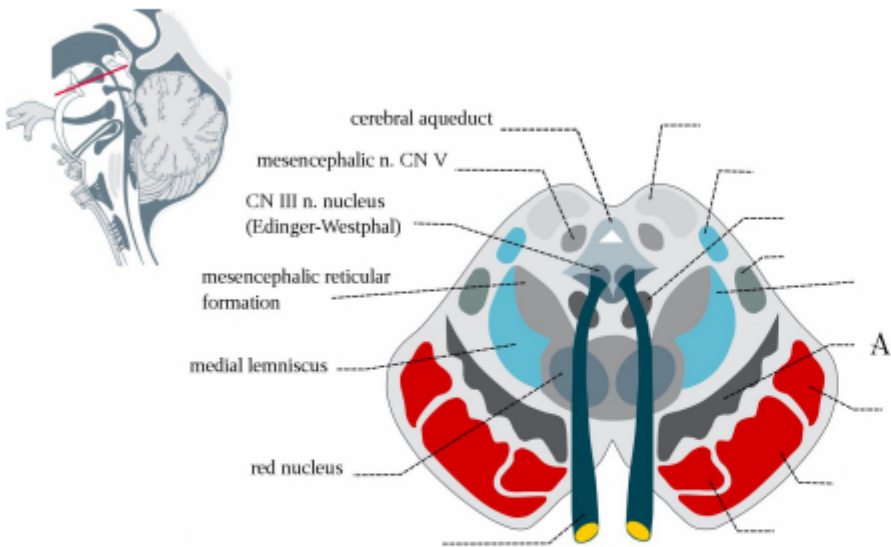
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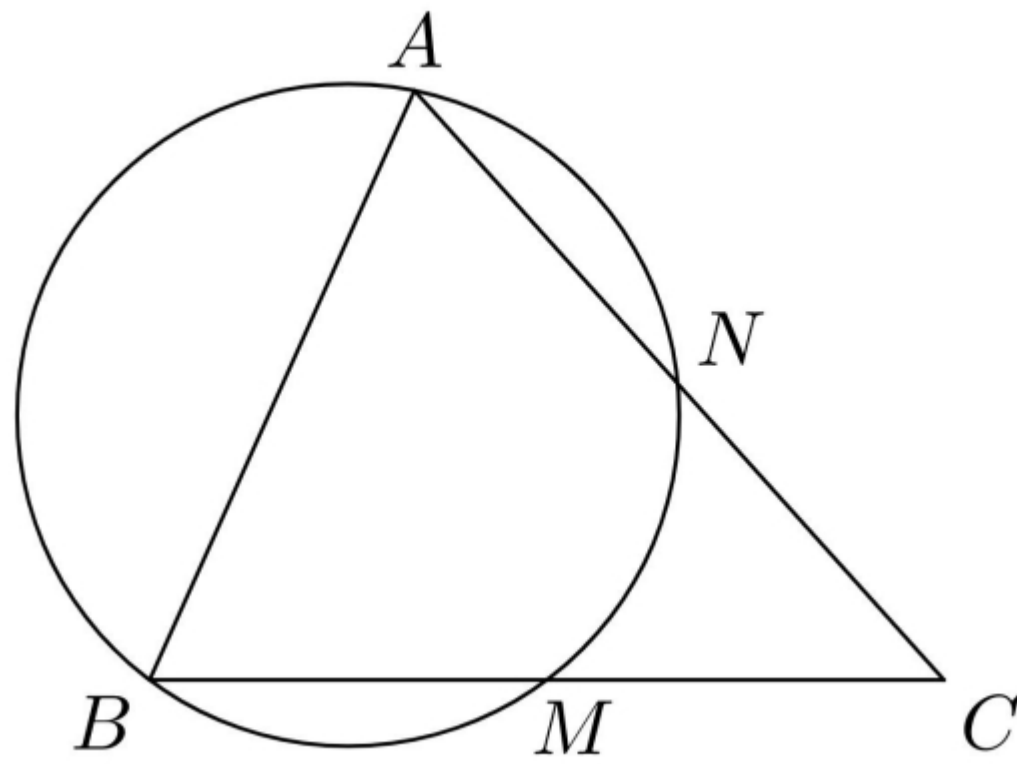
Bonus 1:



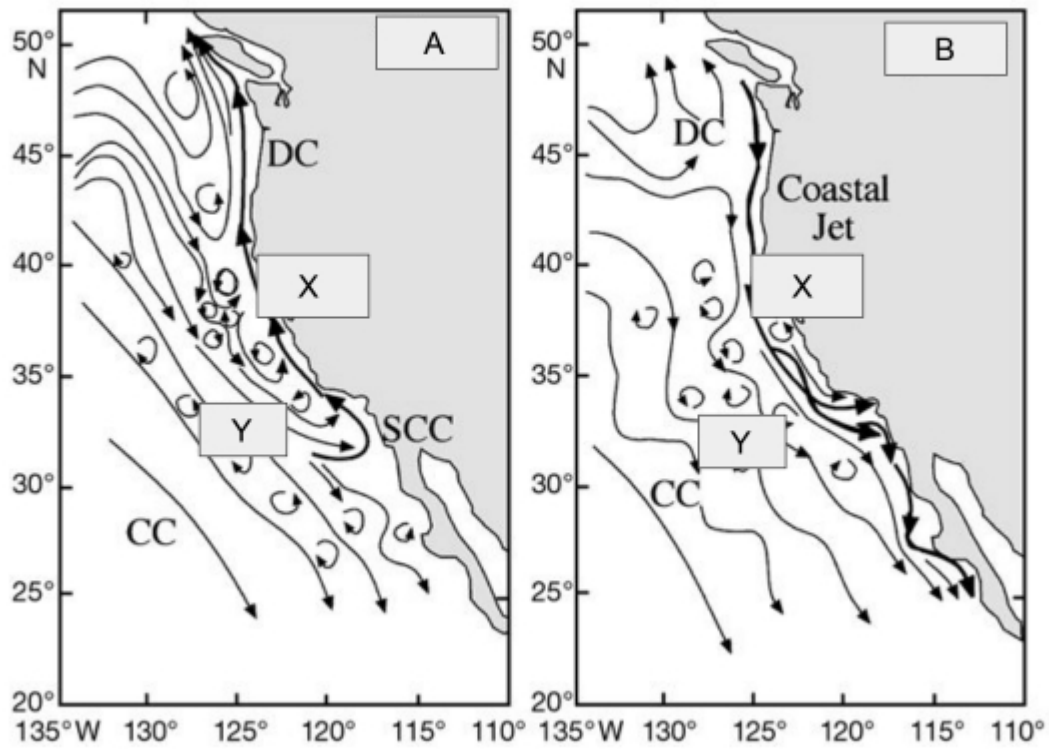
Bonus 2:



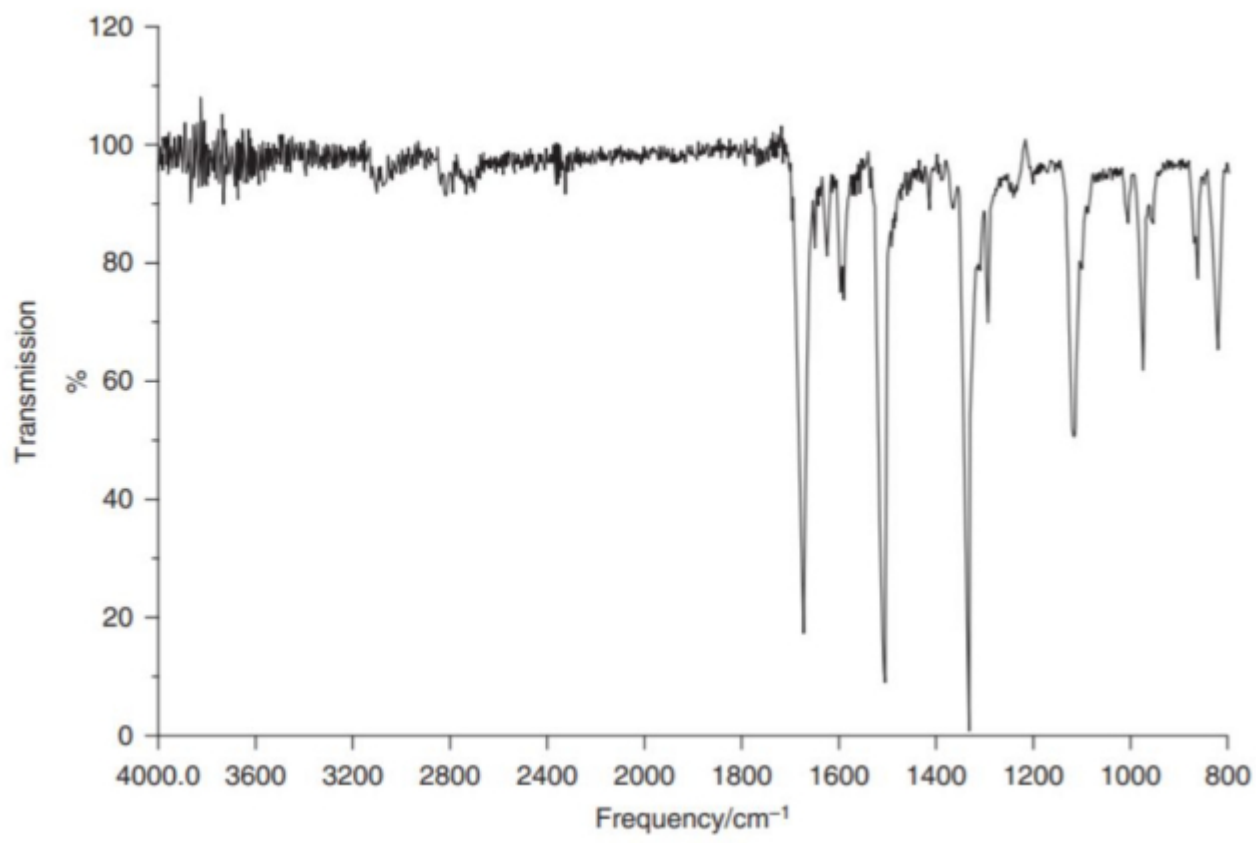
Bonus 5:



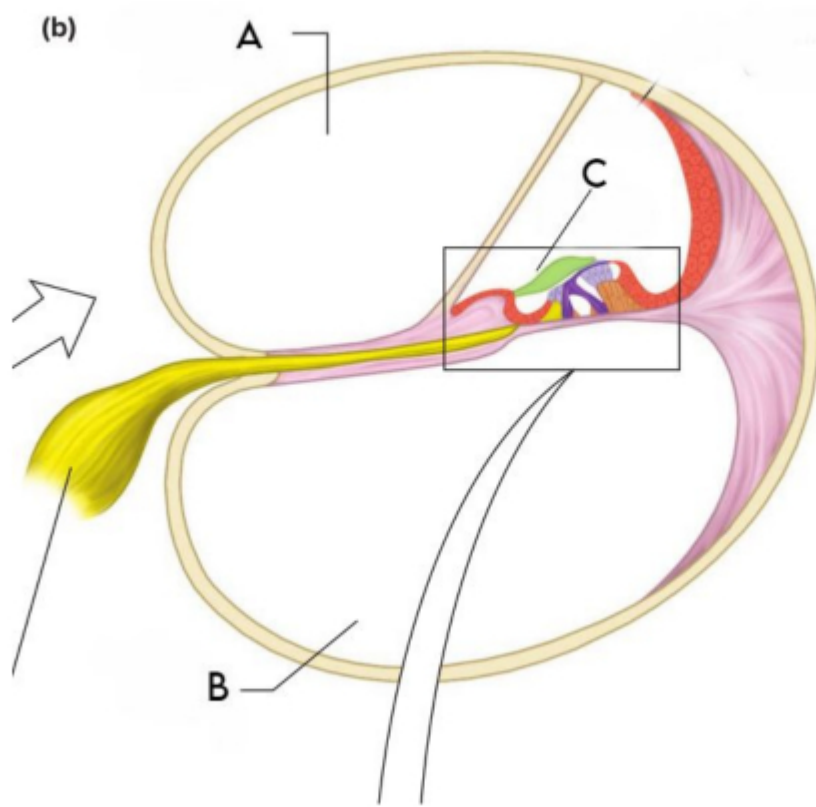
Bonus 6:



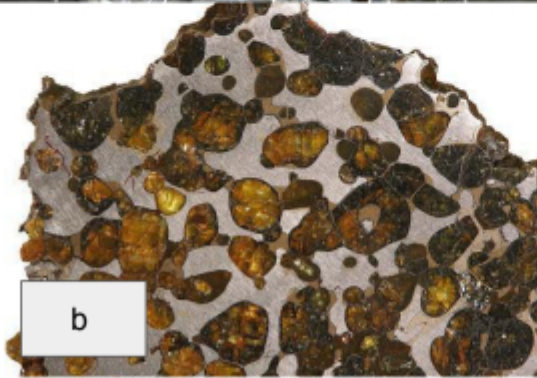
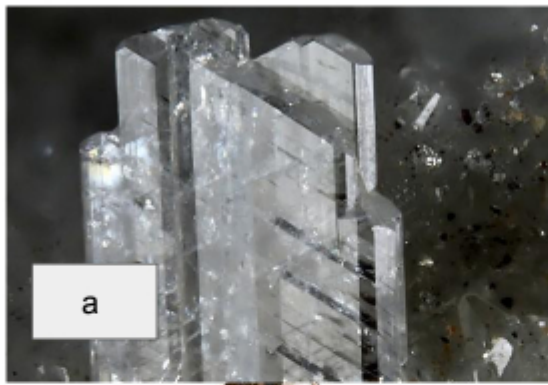
Bonus 9:



Bonus 10:



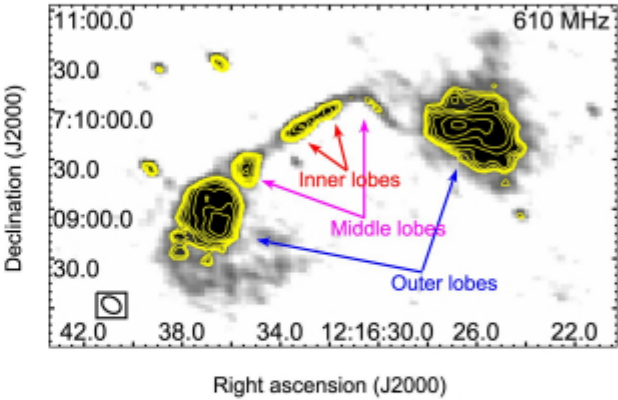
Bonus 12:



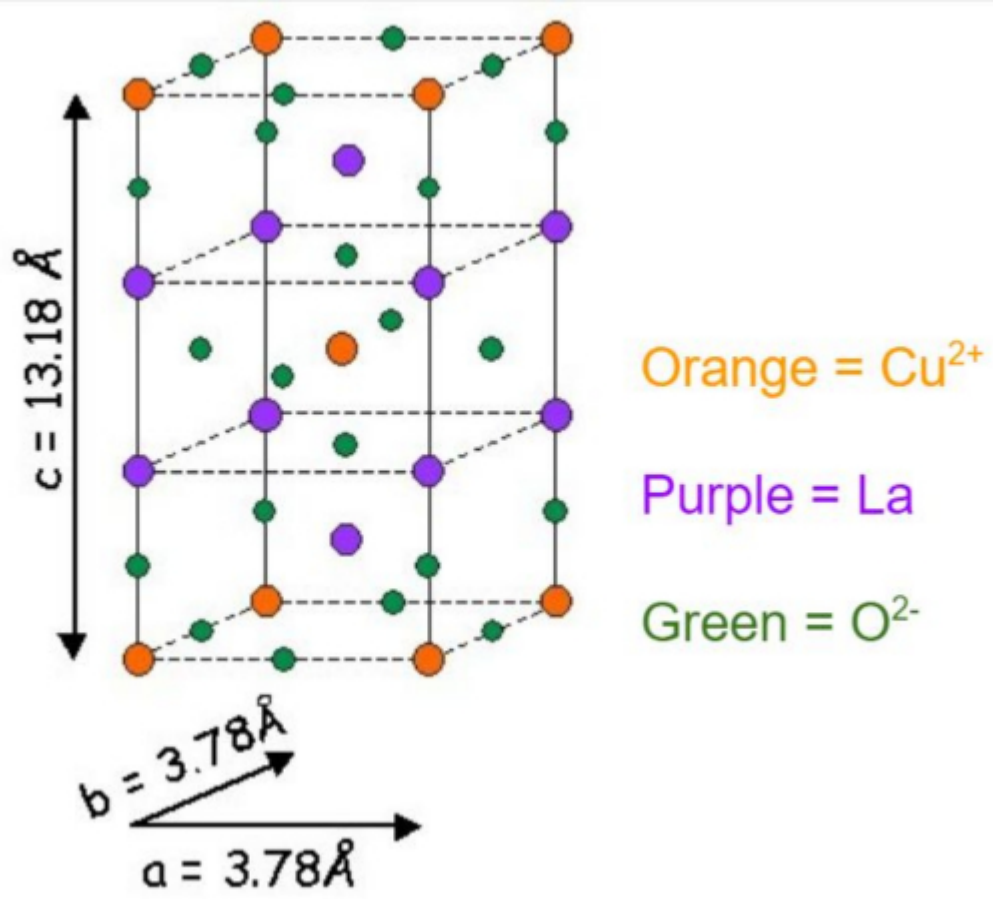
Bonus 13:

$$F^{\mu\nu} = \begin{bmatrix} 0 & -E_x/c & -E_y/c & -E_z/c \\ E_x/c & 0 & -B_z & B_y \\ E_y/c & B_z & 0 & -B_x \\ E_z/c & -B_y & B_x & 0 \end{bmatrix}.$$

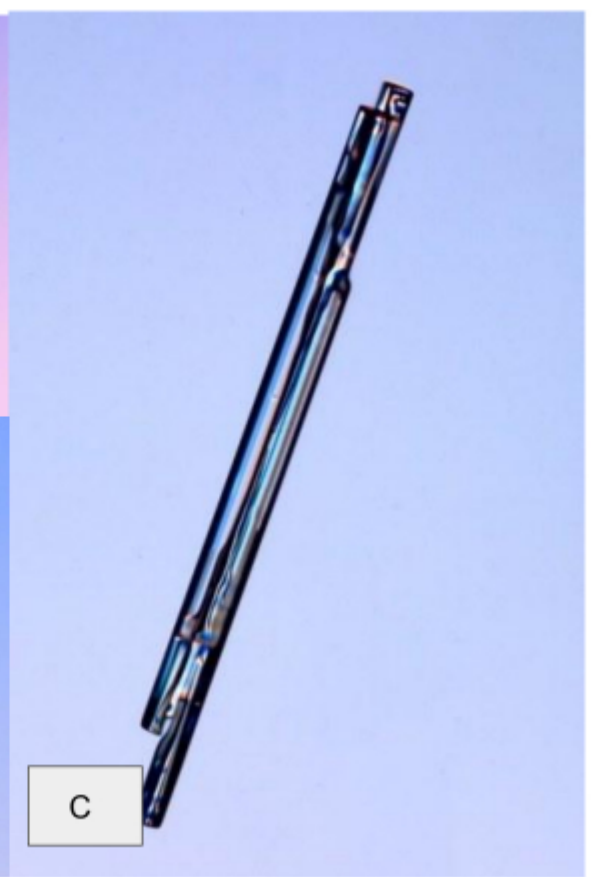
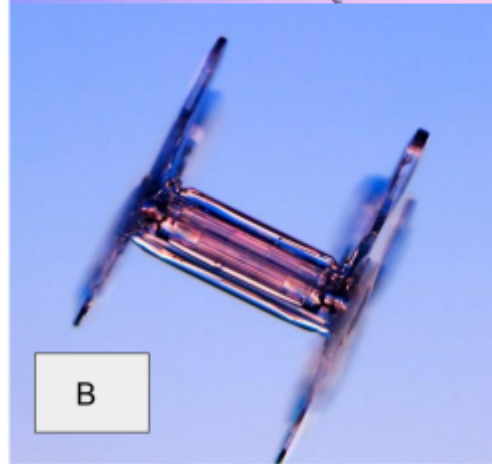
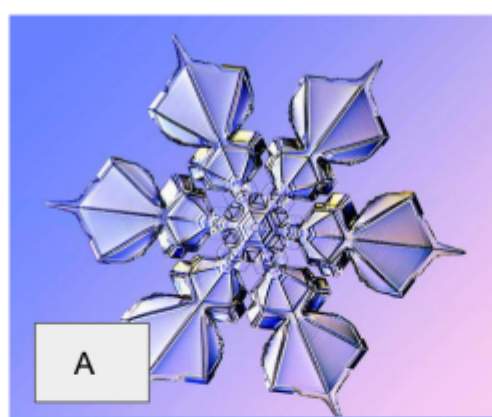
Bonus 14:



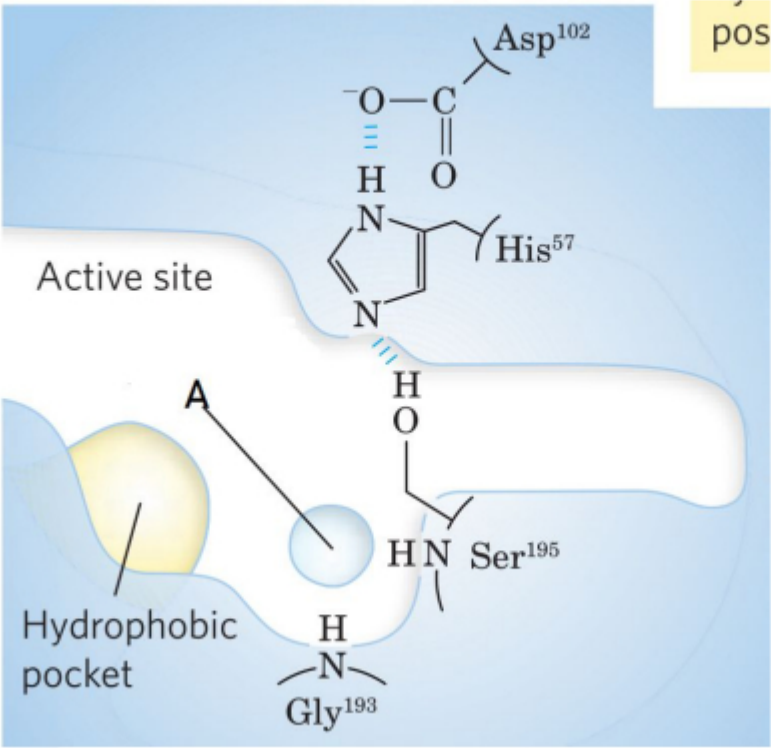
Bonus 15:



Bonus 18:



Bonus 20:



Bonus 21:

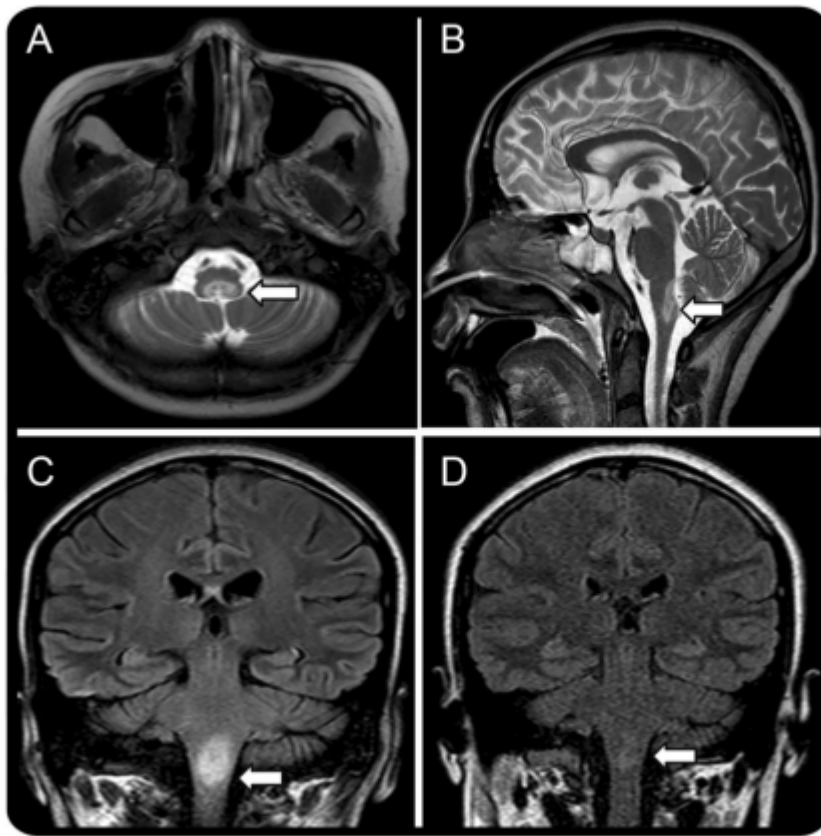
$$\begin{matrix} \overline{d_z^2} \\ \overline{d_{xz}} \overline{d_{yz}} \\ \overline{d_{xy}} \end{matrix} \left| \begin{matrix} \overline{d_{z^2}} \\ \\ \overline{d_{xy}} \overline{d_{x^2-y^2}} \\ \overline{d_{xz}} \overline{d_{yz}} \end{matrix} \right|$$

$$\overline{d_{yz}} \overline{d_{xz}}$$

$$\begin{matrix} \overline{d_z^2} \\ \overline{d_{xy}} \overline{d_{x^2-y^2}} \end{matrix}$$

$$\left| \begin{matrix} \overline{d_{z^2}} \\ \overline{d_{xy}} \overline{d_{x^2-y^2}} \\ \\ \overline{d_{xz}} \overline{d_{yz}} \end{matrix} \right|$$

Bonus 23:



Bonus 24:



Bonus 25:

