I am Hadassah Attoe, thirteen years old and I am in JSS 3 at Honeyland College, Magodo. Before I tell you about my invention, I would love to tell you a bit about myself and my aspirations. I was inspired to become a neurosurgeon through my primary school teacher who gave me the book “Think Big” by Benjamin Carson his story really inspired me to do what I love and try to help people whom others would think of as weird and not want to associate with. Knowing that he was referred to as stupid and was stigmatized but still made it to the top is an important thing to me as well as the fact that even though he was there at the top he did not feel too big to help those below him. This is something I aim to do throughout my life.

Growing up in Nigeria and seeing the state of our communities which are extremely poor especially in our healthcare systems, is heartbreaking. Our hospitals do not have the appropriate facilities to take care of the multitudes and the few private hospitals which have these facilities cost a lot.

Just walking on the street, the poor state of our healthcare system is glaring as you see so many people with obvious medical problems including children, begging on the streets just to afford the bills to get better.

Sadly, many of these people who ended up in these situations either cannot afford medical care or had not been granted appropriate diagnosis until their condition got worse.

Diagnostic challenges and lack of diagnostic equipment makes up about 75% of the barriers facing the neurosurgery according to an article in the National Library of medicine. My project would help to alleviate some of the burden of diagnostic challenges.

What I propose is a machine which would be capable of performing various imaging functions, as well as biopsy operations without the need for open surgery. It would be capable of detecting all forms of neurological malignancies and injures which are not normally visible with an MRI scan.

It would also be possible to use thoroughly thought-out algorithms and AI (Artificial Intelligence) to produce a list of issues (like a computer’s troubleshooter). This would help by narrowing down the possible diagnosis that could be given.

This machine would also help in reducing time wastage from conducting various tests such as MRI (Magnetic Resonance Imaging) and CT (Computerized Tomography) scans as well as biopsies by doing them all in one. During all this, the patient’s brain continues to deteriorate, my project would help to reduce the time spent and medicine or surgery can be administered immediately.

In Conclusion, I understand that this project will not be a one-day job and could potentially take years to complete. But I am more than willing to assume the task, with fellow ambitious people to try to make this dream a reality.