**Blockchain Driven Transplant Registry Assessment Tool**–

The identification and prioritization of viable recipients for organ transplants involves a number of compliance criteria some of which are measure based with other beings psychosocial in nature. There can also be a degree of subjectivity in the overall assessment. Transplantation lists are not immutable and could experience priority readjustment for individuals who exhibit a documented record of non-compliance in preparation for a potential transplant.

Similarly, those patients who offer a high degree of compliance with requirements (medical and psychological) might demonstrate greater suitability for a transplant although care must be taken not to exclude individuals whose geographic location or socio-economic status prevents ongoing participation in qualification procedures designed to validate suitability for transplant surgery.

Blockchain can be implemented as a ledger technology that validates transactions in the form of linked blocks each of which records a transaction and timestamp. The technology is by design highly resistant to block modification which makes it attractive for documenting events in a permanent, verifiable manner. By doing so,

1. Organ transplant administrators and associated entities (insurance companies) can validate compliance and adherence to procedures required to maintain a presence on the list and possibly advance.
2. Employing the blockchain technology can offer a neutral, unbiased view of patient participation in a way that ensures equal opportunity
3. Organ availability window is time sensitive. Register availability and then locate patients