Informed Consent in High-Risk Renal Transplant Recipients

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ABSTRACT

Before performing a clinical, diagnostic, and/or therapeutic action, the doctor is required to provide the patient with a bulk of information defined as informed consent. This expression was used for the first time in 1957 during a court case in California and the two words— informed and consent— are used together to underline the fact that the patient cannot give his or her true consent without first receiving correct information concerning the medical act in question. With regard to the medicolegal aspects governing organ transplants, despite the bulk of detailed work performed by health service workers involved in this surgical field with the aim of preparing adequate informed consent models, this has not yet been accompanied by the necessary legislative development. The informed consent model to be presented to the kidney transplant candidate should include a detailed description of the recipient’s comorbidity and should aim at reducing the number of medicolegal actions, which have become more and more frequent in the last few years due to the ever increasing number of patients considered as suitable for transplantation. Informed consent, therefore, should not be a mere bureaucratic formality to be obtained casually, but should be carefully stipulated together with the patient by the transplant surgeon. It is, in fact, an indispensible condition for transforming a potentially illegal action, that is, the violation of an individual’s psychophysical integrity, into a legal one.

DISCUSSION

The medicolegal aspects governing organ transplants, despite the bulk of detailed work performed by health service workers involved in this surgical field with the aim of preparing adequate informed consent models, has not yet...
been accompanied by the necessary legislative development. In a recent study conducted by Edward et al, which assessed the completeness and adequacy of the informed consent proposals presented to patients who were about to undergo kidney transplantations, there proved to be a great deal of variation in the aspects regarding risks and complications, which were at times mentioned and at others, not.5

Several authors have reported that the last 20 years have seen an improvement in kidney transplant results, with increased survival rates and improved quality of life of transplanted patients compared with those with end-stage renal diseases (ESRD) undergoing dialysis.6–8 Whereas the increase in the incidence of ESRD has led to an exponential increase in transplant requests, there has not been a corresponding increase in the number of organs made available. In the last few years, an attempt has been made to resolve this problem by using kidney donors defined as “marginal” or “suboptimal,” because of age or other risk factors, such as high blood pressure, diabetes, or severe vascular diseases linked to the organ.9 At the same time, there has also been an increase in kidney transplant requests in patients with ESRD who also present other diseases, such as cardiovascular diseases, diabetes mellitus, obesity, or neoplastic risk. ESRD subjects often suffer from peripheral arteriopathy, which may well prove to be an important cause of the technical failure of a kidney transplant, and can even increase the risk of amputation of the lower limbs.10 Diabetic patients undergoing kidney transplants have a higher risk of mortality and of reduction in the long-term graft duration than nondiabetic patients.11 Obesity is not an absolute kidney transplant contraindication, although it should be borne in mind that a transplanted obese patient has a greater risk of suppuration of the incision, together with a higher rate of delayed graft function, and will also show an increased incidence of diabetes after the transplantation.12–17

With regard to transplants in cancer patients, an active neoplasia is obviously an absolute contraindication to kidney transplantation, as it leads to an increased risk of metastases. A previous history of cancer, however, does not completely exclude the possibility of a transplant; the risk of neoplastic relapse, in fact, depends on the type of tumor involved and the period of time elapsing between the neoplasia and the transplant.18

In a recent study, Kandaswamy et al report that patients with extrarenal comorbidity produce different results according to whether a living or dead donor is involved; the former leads to a much higher survival rate.19 Assuming that kidney transplantation is not a lifesaving therapeutic approach, when the patient is affected not only by ESRD but also by certain conditions of comorbidity as mentioned earlier, he or she should be adequately informed before surgery about the increased risk involved in the procedure in terms of morbidity and mortality rate.

The informed consent model to be presented to the kidney transplant candidate should include a detailed description of the recipient's comorbidity and should aim at reducing the number of medicolegal actions, which have become more and more frequent in the last few years due to the ever increasing number of patients considered as suitable for transplantation. It is therefore necessary each time to draw up a specific informed consent form that is as personalized as possible for kidney transplant candidates with conditions of high-risk comorbidity. The wording should include a reference to problems that may aggravate the situation if the patient should be offered a suboptimal organ.9 The basic aim is, on the one hand, to defend the work of the surgical team, and on the other, to guarantee the rights of the patients involved. An informed consent model suitable for such high-risk patients should therefore be detailed, precise, and personally adapted to the recipient concerned, bearing in mind of course that the kidney transplant improves the duration and quality of life of individuals with ESRD. The patient should also be accurately informed about the surgical procedure implicated in the kidney transplantation. A personalized model should be used in order to include the particular conditions of comorbidity of the transplant patient, such as obesity, diabetes, vascular diseases and/or anomalies, possible neoplastic risks, and excretory tract anomalies, which lead to a higher complication risk and which may lower the possibility of surgical success.

Informed consent, therefore, should not be a mere bureaucratic formality to be obtained casually, but should be carefully stipulated together with the patient by the transplant surgeon. It is, in fact, an indispensable condition for transforming a potentially illegal action, that is, the violation of an individual's psychophysical integrity, into a legal one.

CONCLUSION

In conclusion, kidney transplantation is not a lifesaving surgical technique, and the prospective recipient should therefore evaluate the proposal with extreme care. All the information regarding the risks and the benefits should be highlighted in the informed consent, which should represent an act of faith linking the transplant team and the recipient; the patient should also take into consideration the experience of the surgical team and of the transplant center involved.

REFERENCES

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