Enom Date-25-08-LL

पुस्तिका में पृष्ठों की संख्या—32 No. of Pages in Booklet -32 पुस्तिका में प्रश्नों की संख्या—180 No. of Questions in Booklet -180

Paper Code: 07

**SUBJECT: Renal Transplantation** 

(Urology)

(Super Speciality)

समयः 3.00 घण्टे

Time: 3.00 Hours

SSAP-22

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प्रश्न पुश्तिका संख्या/ Question Booklet No.

अधिकतम अंकः 180

Maximum Marks: 180

प्रश्न-पत्र पुस्तिका के पेपर सील / पॉलिथिन बैग को खोलने पर परीक्षार्थी यह सुनिश्चित कर लें कि प्रश्न पुस्तिका संख्या तथा ओ.एम.आर. उत्तर-पत्रक पर अंकित बारकोड समान हैं। इसमें कोई भिन्नता हो तो परीक्षार्थी वीक्षक से दूसरा प्रश्न-पत्र प्राप्त कर लें। ऐसा सुनिश्चित करने की जिम्मेदारी अभ्यर्थी की होगी।

On opening the paper seal/ polythene bag of the Question Booklet the candidate should ensure that Question Booklet Number and Barcode of OMR Answer Sheet must be same. If there is any difference, candidate must obtain another Question Booklet from Invigilator. Candidate himself shall be responsible for ensuring this.

## परीक्षार्थियों के लिए निर्देश

- 1. सभी प्रश्नों के उत्तर दीजिए।
- 2. सभी प्रश्नों के अंक समान हैं।
- 3. प्रत्येक प्रश्न का केवल एक ही उत्तर दीजिए।
- 4. एक से अधिक उत्तर देने की दशा में प्रश्न के उत्तर को गलत माना जाएगा।
- 5. प्रत्येक प्रश्न के चार वैकल्पिक उत्तर दिये गये हैं, जिन्हें क्रमशः 1, 2, 3, 4 अंकित किया गया है। अभ्यर्थी को सही उत्तर निर्दिष्ट करते हुए उनमें से केवल एक गोले अथवा बबल को उत्तर—पत्रक पर नीले बॉल प्वॉइंट पेन से गहरा करना है।
- 6. OMR उत्तर—पत्रक इस परीक्षा पुस्तिका के अन्दर रखा है। जब आपको परीक्षा पुस्तिका खोलने को कहा जाए, तो उत्तर—पत्रक निकाल कर ध्यान से केवल नीले बॉल प्वॉइंट पेन से विवरण भरें।
- 7. प्रत्येक गलत उत्तर के लिए प्रश्न अंक का 1/3 भाग काटा जायेगा। गलत उत्तर से तात्पर्य अशुद्ध उत्तर अथवा किसी भी प्रश्न के एक से अधिक उत्तर से है। किसी भी प्रश्न से संबंधित गोले या बबल को खाली छोडना गलत उत्तर नहीं माना जायेगा।
- मोबाइल फोन अथवा इलेक्ट्रॉनिक यंत्र का परीक्षा हॉल में प्रयोग पूर्णतया वर्जित हैं। यदि किसी अभ्यर्थी के पास ऐसी कोई वर्जित सामग्री मिलती है, तो उसके विरुद्ध आयोग द्वारा नियमानुसार कार्यवाही की जायेगी।
- 9. कृपया अपना रोल नम्बर ओ.एम.आर. पत्रक पर सावधानी पूर्वक सही भरें। गलत अथवा अपूर्ण रोल नम्बर भरने पर 5 अंक कुल प्राप्तांकों में से काटे जा सकते हैं।
- 10. यदि किसी प्रश्न में किसी प्रकार की कोई मुद्रण या तथ्यात्मक प्रकार की त्रुटि हो, तो प्रश्न के हिन्दी तथा अंग्रेज़ी रूपान्तरों में से अंग्रेज़ी रूपान्तर मान्य होगा।

चेतावनी: अगर कोई अभ्यर्थी नकल करते पकड़ा जाता है या उसके पास से कोई अनधिकृत सामग्री पाई जाती है, तो उस अभ्यर्थी के विरुद्ध पुलिस में प्राथमिकी दर्ज कराते हुए विविध नियमों—प्रावधानों के तहत कार्यवाही की जाएगी। साथ ही विभाग ऐसे अभ्यर्थी को भविष्य में होने वाली विभाग की समस्त परीक्षाओं से विवर्जित कर सकता है।

## INSTRUCTIONS FOR CANDIDATES

- Answer all questions.
- 2. All questions carry equal marks.
- 3. Only one answer is to be given for each question.
- If more than one answers are marked, it would be treated as wrong answer.
- 5. Each question has four alternative responses marked serially as 1, 2, 3, 4. You have to darken only one circle or bubble indicating the correct answer on the Answer Sheet using BLUE BALL POINT PEN.
- 6. The **OMR** Answer Sheet is inside this Test Booklet. When you are directed to open the Test Booklet, take out the Answer Sheet and fill in the particulars carefully with **blue ball point pen** only.
- 7. 1/3 part of the mark(s) of each question will be deducted for each wrong answer. A wrong answer means an incorrect answer or more than one answers for any question. Leaving all the relevant circles or bubbles of any question blank will not be considered as wrong answer.
- Mobile Phone or any other electronic gadget in the examination hall is strictly prohibited. A candidate found with any of such objectionable material with him/her will be strictly dealt as per rules.
- Please correctly fill your Roll Number in O.M.R. Sheet.
   Marks can be deducted for filling wrong or incomplete Roll Number.
- 10. If there is any sort of ambiguity/mistake either of printing or factual nature, then out of Hindi and English Version of the question, the English Version will be treated as standard.

Warning: If a candidate is found copying or if any unauthorized material is found in his/her possession, F.I.R. would be lodged against him/her in the Police Station and he/she would liable to be prosecuted. Department may also debar him/her permanently from all future examinations.

इस परीक्षा पुस्तिका को तब तक न खोलें जब तक कहा न जाए।

Do not open this Test Booklet until you are asked to do so.

1.	The r	najor complication of MRI with gadolinium in patients with CKD is -
	_(1)	Seizures
	B	Hepatotoxicity
		Anaphylaxis
	(4)	Nephrogenic system fibrosis
2.	Most	significant complication of CAPD is -
	(1)	Bowel injury
	(2)	Sepsis
	(3)	Peritonitis
	(4)	Bleeding
3.	Fures	emide acts on which part of Nephron?
	(1)	PCT
	(2)	DCT
	(3)	Collecting Duct
	(4)	Ascending loop of Henle
4.	First	Laparoscopic donor nephrectomy was performed by -
	(1)	Peter Morris
	(2)	James P. Hunter
	(3)	Ratner et. al.
	(4)	Barry Warshaw
5.	Follo	wing are side effects of OKT-3, EXCEPT -
	(1)	Cytokine release syndrome
	(2)	Non-cardiogenic pulmonary edema
	(3)	Aseptic meningitis
	(4)	Thrombocytopenia
6.	As co	ompared to surgical AVF creation, true about percutaneous AVF creation is -
	(1)	in percutaneous AVF the time to first cannulation is shorter
	(2)	percutaneous AVF gives maximal flow rates of 500 ml/min
	(3)	percutaneous AVF maturation is inferior to surgical AVF
	(4)	Percutaneous AVF has more short term complication

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While recipient selection following is to be matched, EXCEPT -7. (1) Body surface area of donor and recipient not requires matching (2) Hyper filtrate markers (3) Age matching (4) Histopathology of donor's kidney While declaring decreased as brain dead following cranial nerves needs to be examined for brainstem 8. reflex, EXCEPT -(1) III (2) X (3) VIII (4) XI A 40-year-old woman is willing to donate her kidney to her daughter with type II diabetes. Her BMI 9. is 38 kg/m<sup>2</sup> BP-142/92 mmHg and 24 hours proteinuria of 310 mg and she has a history if recurrent calcium oxalate stones. Which one of the following statement regarding her kidney donation is incorrect? (1) She is best donor if HLA matched Her proteinuria indicates underlying glomerular disease (3) Her uncontrolled BP and high BMI exclude her from donation (4) She is at risk for surgical complications 10. Behavioural risk factors of transplant waitlisted patients are all, EXCEPT -(1) Sexual behaviour (2) Dietary adherence (3) Physical activity (4) Weight management 11. The most common cancer after kidney transplantation is -(1) Skin (2) Cervix (3) Kaposi sarcoma (4) Thyroid The wait list of patients needing transplant is prepared considering following points, EXCEPT -12. (1) Hospital wise list and age wise list (2) Organ and blood group wise list

(3) Profession wise list

(4) Seniority in wait list first in first out

- 13. Pseudo rejection occurs in -
  - (1) Hyperglycemia
  - (2) Dehydration
  - (3) Cyclosporine toxicity
  - (4) Infection
- 14. Most cost effective treatment for ESRD is -
  - (1) Renal Transplant
  - (2) Peritoneal Dialysis (CAPD)
  - (3) Maintenance Dialysis
  - (4) Dialysis through central vain
- 15. Preservative solution should be all, EXCEPT -
  - (1) Rich in colloid
  - (2) High in calcium
  - (3) Having good buffering agent
  - (4) Rich in citrate
- 16. In brain death "Cushing reflex" denotes -
  - (1) Tachycardia with hypotension
  - (2) Bradycardia with hypertension
  - (3) Tachycardia with hypertension
  - (4) Bradycardia with hypotension
- 17. What is Gold standard method to check for GFR measurement to know renal function?
  - (1) Measurement of GFR by chromium labelled EDTA
  - (2) Measurement of GFR by iothalamate clearance
  - (3) Measurement of GFR by inulin clearance
  - (4) 24 hours urine collection for creatinine clearance
- 18. The best renal imaging protocol for a living renal donor to define renal anatomy and renal vasculature and to rule out renal stone is -
  - (1) KUB x-ray with arteriography
  - (2) Plain and CECT abdomen and pelvis (Helical CT)
  - (3) Renal ultrasonography and selective renal arteriography
  - (4) Magnetic resonance nephrotomography with angiography

19.	What	is "Lazarus sign"?
	(1)	in deceased donor it is false movement of eyes
	(2)	in deceased donor it is false chest movement while apnea test
	(3)	in deceased donor it is false movement of extremities and neck and shoulder while giving
		painful stimuli
	(4)	in deceased donor it is change of cardiac parameters while giving painful stimuli to the donor
20.	Decea	ased donor score having 7 variable out of which 5 are used in score they all, EXCEPT -
	(1)	Age
	(2)	Hypertension
	(3)	Infection as cause of death
	(4)	HLA mismatch
21.	All of	the following are side effects of tacrolimus, EXCEPT -
	(1)	Diabetes mellitus
	(2)	Hyper kalemia
	(3)	Hyper vricemia
	(4)	Hyper cholesterolemia
22.	What	is recommendation for bladder reconstruction in candidate of renal transplant?
	(1)	Bladder reconstruction should be done after transplantation
	(2)	Bladder reconstruction should be done at the time of renal transplantation
	(3)	Bladder reconstruction should be done several weeks prior of transplantation
	(4)	None of the above
23.	How	often is preterm delivery expected in pregnant kidney transplant recipient?
	(1)	50%
	(2)	90%
	(3)	20%
	(4)	75%

24. Early cell mediated rejection most commonly presents as -

(1) Asymptomatic rise in serum creatinine

(2) Oliguria

(3) Mild fever

(4) Graft tenderness

		•
25.	Whic	h is not component of hemodialyser system?
	(1)	Dialyser
	(2)	Dialysate
	(3)	Renal Biopsy
	(4)	Blood delivery system
26.	What	is true about the revascularization of donor graft?
	(1)	Always first do arterial anastomosis
	(2)	Always first do venom anastomosis
	(3)	Arterial or venous anastomosis first depends on the final position of the kidney and ease with
		which the second anastomosis may be done
	(4)	None of the above
27.	Funct	ion of NOTTO will be all, EXCEPT -
	(1)	Lay down policies and guidance and protocols
	(2)	It allocate the surgical team for transplant
	(3)	Data complication from regional and state organisation
	(4)	Coordinate and organise various training programs
28.	Whic	h of the following statements about AV fistula is true?
	(1)	Risk of infection is lower than with a dialysis catheter
	(2)	Thrill should only be felt during systole
	(3)	It is contraindicated if LVEF is less than 40%
	(4)	Blood flow is good if it remains full of blood when arm is elevated
29.	Befor	e starting brain death examination following are prerequisite, EXCEPT -
	(1)	There should be catastrophic evidence of brain injury
	(2)	Core body temperature < 32°C
	(3)	Patient should not have history of alcohol intoxication in recent event
	(4)	Patient should not have neurological illness like locked-in syndrome, akinetic mutism
30.	In a p	atient of Anuria or Oliguria post-transplant from live donor, true statement is -
	(1)	Urgent Doppler USG needs to be done

(2) USG can be delayed

(3) DTPA should be done

(4) Bladder catheter needs adjustment

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.,	(4)	Phospho - soda enema
	(3)	Polyethylene glycol – electrolyte solution
	(2)	Oral psyllium
	(1)	Oral docusate calcium
	treatn	nent is -
36.	Kidne	by transplant patient with chronic rejection presents with constipation. The contraindicated
	(4)	UPJ
	(3)	Ureterovesical anastomosis
	(2)	Middle part of ureter
	(1)	Proximal ureter
35.	Follo	wing renal transplantation, ureteral stricture formation occur mostly at the level of -
	(4)	None of the above
	(3)	The recipient's renal failure is secondary to diabetes
	(2)	A cadaver donor must be used
	(1)	A living related donor is available
	follov	ving circumstances -
34.	Survi	val rates for patients on dialysis are better than those for patients receiving renal allograft in the
	(4)	Lipoteichoic acid
	(3)	ATP
	(2)	Flagellin
	(1)	RNA
33.	DAM	P (Danger Associated Molecular Pattern) includes -
	(4)	GI malignancy
	(3)	Leukaemia's
	(2)	Skin cancer
	(1)	EBV induced lymphoproliferative malignancy
32.	• •	monest malignancy paediatric post-transplant is -
	(4)	Cephalexin
	(3)	Ciprofloxacin
	(1) (2)	Trimethoprim - sulfamethoxazole  Erythromycin
31.	-	aylaxis against Pneumocystis infection is best achieved with -
21	ъ 1	

-

37.	Proph	ylaxis against cytomegalovirus infection is best done with -
	(1)	Erythromycin
	(2)	Ganciclovir
	(3)	Trimethoprim – sulfamethoxozle
	(4)	Minocycline
38.	Follo	wing statements are true, EXCEPT -
	(1)	First kidney allograft was performed in UK.
	(2)	Azathioprine became available for human use in 1961.
	(3)	Jean Doucet first described an antigen MAC.
	(4)	Cyclosporine is discovered to be powerful immune suppressor by Borel.
39.	Earlie	est ECG changes in Hyperkalemia -
	(1)	Flattened P wave
	(2)	Prolonged PR interval
	(3)	Decreased ST segment
	(4)	Tall T wave
40.		quent symptom associated with hyperphosphatemia is -
	(1)	Seizures
	(2)	Headache
	(3)	Diarrhoea
	(4)	Conjunctival itching
41.		enal structure at greatest risk of ischemic injury is -
	(1)	Proximal convoluted tubule
	(2)	Distal convoluted tubule
		Afferent arteriole
	(4)	JG apparatus
42.		nal failure commonly ABG suggestive of -
	(1)	Metabolic acidosis
	(2)	Metabolic alkalosis
	(3)	Respiratory acidosis
42	(4)	Respiratory alkalosis
43.		optimum treatment of renal artery stenosis at mid portion of main arterial trunk in a transplanted
		by producing hypertension resistant to the medical therapy is -
		Nephrectomy
	(2)	Percutaneous dilatation of artery

- (3) Surgical bypass of arterial stenosis
- (4) Heparinization with medical treatment of hypertension

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	(4)	Urethrocystoscopy
	(3)	Urine PCA 3 determination
	(2)	Imaging of native as well as transplanted kidney
	(1)	Urine cytology
	gross	hematuria. Each of the following is an important part of the workup, EXCEPT -
49.	Five	years after successful renal transplant a 55 years old man is referred to you because of total
	(4)	AIIMS Jodhpur
	(3)	SMS Jaipur
	(2)	PGI Chandigarh
	(1)	SGPGI Lucknow
48.	Whic	h is ROTTO for Rajasthan?
	(4)	Along with PD for better control
	(3)	Estimated GFR below 10 ml/1.73 m <sup>2</sup>
	(2)	Metabolic alkalosis refractory to medical therapy
	(1)	Hypokalemia
47.	Indica	ation of maintenance haemodialysis -
	(4)	Immediate rejection
	(3)	Sub-acute rejection
	(2)	Acute rejection
	(1)	Chronic rejection
46.	Most	common cause of graft rejection in paediatric patient -
	(4)	All of the above
	(3)	Avoiding sirolimus in early Postop period
	(2)	Ligating lymphatic's
	(1)	Pelvic dissection
45.	` ,	ence of lymphocele can be minimised by -
	(4)	> 20%
	(2)	5% -10% 15% - 20%
	` '	
	(1)	1% - 5%

50.	Most	common early opportunistic infection in renal transplant recipients -
	<b>(1)</b>	Aspergillus
	(2)	Hepatitis B
	(3)	B.K. virus
	(4)	Pneumocystis carinii
51.	Trans	splantation of Human Organ Act is passed and amended in -
	(1)	1994, 2010
	(2)	1994, 2011
	(3)	1996, 2011
	(4)	1990, 2011
52.		re true regarding erectile dysfunction in renal transplant recipient, EXCEPT -
	(1)	Because of side effect of immunosuppression and decrease in cavernosal blood supply
	(2)	Sildenafil decrease GFR
	(3)	Intracorporeal injection are effective
	(4)	Penile prosthesis is chosen if there is stable graft function for at least 6 months
53.	Sourc	e of free radicals generation in deceased donor are all, EXCEPT -
	(1)	Xanthin oxidase
	(2)	Superoxide dismutase
	(3)	$H_2O_2$
	(4)	H <sub>2</sub> O <sub>2</sub> with iron
54.	Whic	h of the following investigations would you not routinely perform on a 67-year-old man to
		s his suitability to donate a kidney to his wife?
	(1)	Urine microscopy
	(2)	Colonoscopy
	(3)	Hepatitis serology
	(4)	Electrocardiogram
55.		phylaxis occurs when Ca × PO4 is >
	(1)	
	(2)	40
	(3)	
	` .	60
56.		reatment options of stones in transplanted kidney -
20.		PCNL
		URSL/RIRS
	(2)	
	(3)	ESWL
	(4)	All of the above
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57.		
	_	residual urine. What is most useful investigation?
	(1)	Uroflowmetry and residual urine assessment by USG
	(2)	Cystomanometry with EMG of pelvic floor
	(3)	Videourodynamics
50	, -	Cystourethroscopy
58.		shoproliferative disorder are associated with which virus?  EBV
	(2)	CMV
	(3)	HIV
		HSV
59.	, ,	all reported mortality rate in first year after transplant is -
٥/.		20%
		10%
	• •	25%
	• •	5%
60.		norrhagic cystitis in immunocompromised patient is associated with which virus?
	(1)	EBV
	(2)	CMV
	(3)	Adenovirus
	(4)	Rhinovirus
61.	Stero	id resistant rejection is often treated with -
	(1)	Sirolimus
	(2)	Mycophenolate mofetil
	(3)	Basiliximab
		Antilymphocyte globulin
<b>62.</b>		h of the following is required for cellular sodium potassium pump to maintain high intracellular
		entration of K <sup>+</sup> and low intracellular concentration of Na <sup>+</sup> ?
	` `	ADP
	` '	CMP
	(3)	ATP
<i>(</i> 2	` '	Nitric oxide
63.	what	is a surrogate marker for pancreases rejection in simultaneous pancreases-kidney transplant?
	(1)	Decrease amylase level
	(2)	Hyperglycaemia
	(3)	Raised creatinine level
	(4)	All of the above
	<del></del>	

- 64. Chronic antibody-mediated rejection –

  (a) May be C4d negative in graft biopsy samples
  (b) Has specific histopathologic features
  (c) Is found more often in patients nonadherent to immunosuppressive medication
  (d) Can be mediated only by HLA alloantibodies
  (e) Is targeted by reduction of immunosuppression
  - Code -
    - (1) Only (a) and (b) are correct
    - (2) Only (a), (b), (c) and (d) are correct
    - (3) Only (a), (b) and (c) are correct
    - (4) All are correct
  - 65. While managing the donor (cadaveric) following are the goals of mechanical ventilations, except -
    - (1) Fraction of inspired oxygen 0.40
    - (2) Normal arterial pH
    - (3) Plateau pressure >35cm H<sub>2</sub>O
    - (4) Tidal volume 8-10ml/kg
- **66.** What is the method of donor ureteric re-implantation in augmented bladder?
  - (1) Donor ureter should be implanted in native bladder
  - (2) Donor ureter should be implanted in ileum or caecum component of augmented bladder
  - (3) Donor ureter should be anastomose with native ureter
  - (4) Transplant is not possible as ureter cannot be implanted in augmented bladder
- 67. All these are risk factors for chronic allograft nephropathy, EXCEPT -
  - (1) Histocompatibility mismatch
  - (2) Older age of donor
  - (3) Female recipient
  - (4) Donor and recipient size mismatch
- 68. Which preservation modality is used for renal allografts from older donors?
  - (1) Hypothermic pulsatile storage
  - (2) Cold storage
  - (3) Either of the above
  - (4) None of the above
- 69. Most important cytokine involved in the rejection process -
  - (1) IL 1
  - (2) IL 2
  - (3) IL-5

(4) Interferon-gamma

70.	Following is true about renal artery thrombosis, EXCEPT -	
	(1)	Seen in patients multiple arteries
	(2)	Occurs 2 weeks after transplant
	(3)	Painless cessation of urine flow
	(4)	Sudden rise in creatinine and hyperkalemia
71.	True	of hypotension, \$\diamsup\$ Haematocrit and pain after transplant should raise suspicion of -
	(1)	Post-operative bleeding
	(2)	Coronary artery disease
	(3)	Acute rejection
	(4)	Urine leak
72.	What	is not true about graft survival?
	(1)	Adolescents have best 5 yrs results of any age
	(2)	African-American ethnicity is associated with worse outcome
	(3)	Long term survival in paediatric patients is best with HLA identical sibling
	(4)	Graft failure increase by 30% with more than 5 transfusions pre-transplant
73.	Whic	h state has not accepted THOA?
	<b>(1)</b>	Rajasthan
	(2)	Andhra Pradesh
	(3)	Kerala
	(4)	Sikkim
74.	After	living donor nephrectomy, the renal donor is expected to have what level of total renal
	funct	ion?
	(1)	50%
	(2)	60%
	(3)	80%
	(4)	100%
75.	Most	common acute complication of haemodialysis -
	(1)	Hypotension
	(2)	Muscle cramps
	(3)	Infection
	(4)	Anaphylactoid reaction

- **76.** All of the following place a deceased donor into the Centers for Disease control's "high-risk" category, EXCEPT -
  - (1) Man who has had sex with another man during the previous month.
  - (2) Donor who has smoked crack cocaine with the last year.
  - (3) History of intravenous heroin use 3 years ago.
  - (4) Man who was released from prison after a 15-year sentence 5 days before the pronouncement of brain death.
- 77. Most common form of early rejection is -
  - (1) Antibody mediated
  - (2) Cell mediated
  - (3) Vascular rejection
  - (4) Subclinical rejection
- 78. What is Sarcopenia?
  - (1) decrease in sleep in patient on dialysis
  - (2) reduced skeletal mass in patient on dialysis
  - (3) reduced fat in patient on dialysis
  - (4) poor nutrition in patient on dialysis
- 79. Following statements regarding renal failure and RRT is correct, EXCEPT -
  - (1) The expected life span once RRT started is approximately 8 year for individuals between 40-44 years and 4.5 years for individuals between 60-64 years.
  - (2) For patients starting haemodialysis all cause mortality peaks at the second month of treatment and decrease thereafter.
  - (3) Quality of life is better with PD than HD than transplant.
  - (4) Patient begins of PD experience gradual increase in mortality risk with in first 12 months of treatment.
- 80. Which of the following is false regarding preoperative assessment for AVF creation?
  - (1) Inflow arterial assessment should be carefully done if implanted cardiac device is present
  - (2) Preoperative assessment improves outcomes of both surgical and percutaneous AVF
  - (3) Depth and tortuosity of target conduit is an important factor
  - (4) Venography is helpful in selected patients with suspected central venom stenosis

ner sa	With risk	
07 - <sup>-[</sup>	<del> </del>	Page 15 of 32
	(4)	(a), (b) and (d) are correct
	(3)	All answers are correct
	(2)	(a) and (b) are correct
	(1)	Only (a) is correct
	Code	
	(d)	Often late signs that occur after significant allograft damage has already occurred
	(c)	Specific for chronic antibody-mediated rejection
	(b)	A rise in protein excretion
	(a)	A rise in serum creatinine
86.		cal manifestations of chronic antibody-mediated rejection are -
0.0	(4)	None of the above
	(3)	Risk of cancer is not related with age at transplant.
		transplant.
	(2)	Risk of cancer development is great in patient who are younger when they first undergo
	` '	transplant.
<del>-</del>		Risk of cancer is development is great in patient who are older when they first undergo
85.	What is true about the cancer development in kidney transplant recipient?	
	(4)	
	(3)	
	(2)	
-	(1)	
84.	` '	s that determine the rejection or acceptance of grafts are present in locus on chromosome -
	(4)	Mandatory to have either neurologist or neurosurgeon in brain death board
	(3)	Mandatory to have transplant coordinator
	(2)	Tissue have been included along with organ
UJ.		Near relative include grand-children and grand-parents
83.	` '	A 1994 was amended later, following is included in amendment, EXCEPT-
	(3) (4)	Transplant in HLQ incompatible patient  Combined kidney and pancreas transplant
	(2)	Transplant in ABO incompatible patient
	• •	Paired kidney transplant  Transplant in APO incompatible patient
82.		OMMODATION in renal transplant surgery refers to -
0.4		7-8
	` '	8-10
	` '	1-2
		4-5
81.		ansplantation abscess generally occurs withinweeks after transplantation.

of the (1) (2) (3) (4) In the (1) (2)	first transplant has failed because of FSGS, than chances of second transplant failure because disease is - Nearly 50% Nearly 80% Rare Never occurs event of multiple organs to be retrieved, the organ to be removed last is - Heart Lung Liver Kidneys
of the (1) (2) (3) In the (1) (2) (3)	Nearly 50% Nearly 80% Rare Never occurs event of multiple organs to be retrieved, the organ to be removed last is - Heart Lung Liver
of the (1) (2) (3) (4) In the (1) (2)	Nearly 50% Nearly 80% Rare Never occurs event of multiple organs to be retrieved, the organ to be removed last is - Heart Lung
of the (1) (2) (3) (4) In the (1)	Nearly 50% Nearly 80% Rare Never occurs event of multiple organs to be retrieved, the organ to be removed last is -
of the (1) (2) (3) (4) In the	Nearly 50% Nearly 80% Rare Never occurs event of multiple organs to be retrieved, the organ to be removed last is -
of the (1) (2) (3) (4)	Nearly 50% Nearly 80% Rare Never occurs
of the (1) (2) (3)	Nearly 50% Nearly 80% Rare
of the (1) (2)	Nearly 80%
of the	e disease is -
	e disease is -
If the	first transplant has failed because of FSGS, than chances of second transplant failure because
	Cara tari China Craggeria
(4)	Age older than 70 years
(3)	Obesity
(2)	HIV infection
(1)	Active sepsis
Whic	h of the following recipient factors is an absolute contraindication to transplantation?
(4)	Glycosuria
(3)	Albuminuria
(2)	Pyuria
(1)	Haematuria
	hs will be -
	donor nephrectomy common abnormality seen in donors urine routine examination after few
` '	Late profound haemorrhage is generally due to mycotic aneurysmal rupture
	Occult coagulopathy should be ruled out  Administration of blood, efficient dialysis, estrogen infusion and adrenaline may help
	Source may be small hilar vessels  Occult coagulopathy should be ruled out
	eeding post-transplant?
	transplant patient showed signs of pallor and worsening shock. What is false about management
(4)	Diabetes
(3)	Surgical complications
(2)	Septicaemia
(1)	
nospi	talization these patients are readmitted mainly of these following reasons, EXCEPT-
	ox. 50% of Hospitalization of dialysis dependent patients are of multiple reasons after the first
	(2) (3) (4) Post-of ble (1) (2) (3) (4) After monti (1) (2) (3) (4) Whice (1) (2) (3)

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- 93. Before stating Apnea test following are prerequisite, EXCEPT -
  - (1) Normotensive
  - (2) Eucapnea PaCO<sub>2</sub> 35-45 mm Hg
  - (3) Hypothermic
  - (4) There should be no hypoxia
- 94. Hypothermia (0° to 4°C) is a critical component of successful organ cold storage, because -
  - (1) Oxygen is more soluble in cold solutions and provides a continual supply for energy metabolism.
  - (2) There is no way to suppress microbial growth except by cooling and showing the growth rate.
  - (3) Hypothermia diminishes energy requirements and allows the limited energy reserve to keep the organ.
  - (4) It slows metabolism and the enzymic processes that would destroy the cell.
- 95. DNA based typing has following advantages over serology, EXCEPT -
  - (1) Greater accuracy
  - (2) Reproducibility
  - (3) Can be done on any nucleated cells
  - (4) None of the above
- 96. In case of severe Hyperlipidemia post-transplant which drug may not need reduction or withdrawal -
  - (1) Cyclosporine
  - (2) Prednisolone
  - (3) Tacrolimus
  - (4) Azathioprine
- 97. Clinical presentation of stone disease in transplant kidney are all, EXCEPT -
  - (1) Asymptomatic
  - (2) Renal colic
  - (3) Gross Haematuria
  - (4) Reduced or absent urine output
- 98. Which of the following distinguish MHC class I from MHC class II antigens?
  - (1) MHC class I and class II antigens are encoded in different regions of the MHC complex.
  - (2) MHC class I antigens are expressed on specialized antigen presenting cells, whereas MHC class II antigens are expressed on all cells.
  - (3) MHC class I and class II are members of different supergene families.
  - (4) MHC class I are considered to be the major histocompatibility antigens and MHC class II the minor histocompatibility antigens.

99.	Nativ	e kidney nephrectomy best done in -
	(1)	At the time of transplantation
	(2)	6 weeks before transplantation
	(3)	12 weeks before transplantation
	(4)	6 weeks after transplantation
100.	Patier	ts on haemodialysis are required to maintain their serum phosphorus level at -
	(1)	Less than equal to 8 mg/dl
	(2)	Less than equal to 4 mg/dl
	(3)	Less than equal to 6 mg/dl
	(4)	Less than equal to 12 mg/dl
101.	What	is usual time of cancer presentation in kidney transplant patient?
	(1)	2 years
	(2)	4-5 years
	(3)	6-10 years
	(4)	10-15 years
102.		statement about warm ischemia time is -
	, •	Period between circulatory arrest and commencement of cold storage
	` '	Zero in brain dead donors
	(3)	Kidney may function after upto 60 minutes of warm ischemia
103.	(4) Which	All of the above
103.		
	transplant resulting in failure of kidney graft?	
	` '	Chronic glomerulonephritis
		Focal segmental glomerulosclerosis
		IgA Nephropathy Alport syndrome
104.		wing infection in deceased donor is absolute contraindication for organ donation -
	(1)	HIV
	(2)	HBV and HCV
	(3)	Both of the above
	(4)	Nothing is absolute contraindication
105.	` '	compatibility system of greatest importance in the renal transplant is -
2001	(1)	
	(2)	HLA
	(3)	Both
		None of the above
	(4)	THORE OF THE AUDIC

106.	Which of the following drugs have been shown to have proved fetal risk?		
	(1)	Azathioprine	
	(2)	Steroids	
	(3)	Sirolimus	
	(4)	Basiliximob	
107.	What	is absolute contraindication of PD?	
	(1)	Inflammatory bowel disease and encapsulating peritoneal sclerosis	
	(2)	Obesity and advanced age	
	(3)	Stomas, COPD	
	(4)	Abdominal hernias	
108.	Most	common urological malignancy in transplant recipient -	
	(1)	Prostate malignancy	
	(2)	Bladder tumor	
	(3)	Renal cell carcinoma	
	(4)	Testicular malignancy	
109.	Whic	h one of the following immunological barriers should not be considered for successful kidney	
	transp	plant?	
	(1)		
	(2)	HLA mismatch	
	(3)	Anti-donor HLA antibody in recipient	
	(4)	Rhesus factor positivity	
110.		monest early complication in donor nephrectomy -	
	(1)	Bleeding	
	(2)	Hernia	
	(3)	Bowel obstruction	
	(4)	Splenic injury	
111.	-	ritoneal dialysis the catheter tip should be placed in -	
	(1)	Morrison's pouch	
	(2)	Paracolic gutter in Rt. iliac fossa	
	(3)	Paracolic gutter in left iliac fossa	
	(4)	Rectovesical pouch	
112.		h is prerenal cause of acute renal injury?	
	(1)	Vasculitis	
	(2)	Nephrotoxic medications	
	(3)	Congestive heart failure	
	(4)	Renal stone disease	
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113.	Not true about malignancies post renal transplant is -	
	(1)	Common in chronic dialysis patients
	(2)	All malignancies arise de novo
	(3)	Risk of transmission of malignancy from donor is extremely low
	(4)	Lung cancer is more common than general population
114.	Patier	nts administered IVIG should be monitored for following -
	(1)	Aseptic meningitis
	(2)	Osmotic nephrosis
	(3)	Impaired renal function
	(4)	All of the above
115.	Urino	mas may occur due to any of this following causes, EXCEPT -
	(1)	Acute rejection
	(2)	Incomplete bladder closure
	(3)	Collecting system ischemia
	(4)	Post biopsy injury
116.	Whic	h of the following is most important HLA before renal transplant?
	(1)	МНС-Ш
	(2)	HLA DQ
	(3)	HLA DR
	(4)	HLA DP
117.	Pre-tr	ransplant cholecystectomy is indicated in all of the following conditions, EXCEPT -
	(1)	Symptomatic gall stones
	(2)	Multiple small gall stones
	(3)	Single asymptomatic gall stones
	(4)	Cholelithiasis with gall bladder wall thickening
118.	Mani	festation of transplant renal artery stenosis can be any of the following, EXCEPT -
	(1)	Erythrocytosis
	(2)	Hypotension
	(3)	Allograft bruit
	(4)	Edema
	<del></del>	

- 119. Large volume of urine on the early post-operative course of renal transplant patients -
  - (1) Result from osmotic stimuli to diuresis
  - (2) May signify reversible polyuric acute tubular necrosis
  - (3) Facilitate the diagnosis of rejection and obstruction of the renal artery and/or collecting system
  - (4) All of the above
- **120.** Cross match testing is necessary prior to surgical transplantation to detect anti HLA antibodies in recipient. Which one of the following test is not used to detect anti HLA antibodies in recipient?
  - (1) Panel reactive antibody test
  - (2) Anti-human globulin enhanced test
  - (3) Competent-dependent cytotoxicity test
  - (4) Solid phase bead or ELISA assay
- 121. A patient underwent transplant is into 4<sup>th</sup> week of post-transplant. On follow up his creatinine is 2.3 mg/dl. Biopsy shows fibrosis, Arteriolopathy hyalinization, atrophic tubules, ischemic collapse of glomeruli. He is suffering from -
  - (1) Chronic CNI toxicity
  - (2) ATN
  - (3) Arterial Antibody Mediated Rejection
  - (4) Acute CNI toxicity
- 122. Regarding management of recurrent FSGS -
  - (1) First-line therapy includes a 3-day course of daily intravenous pulses of methylprednisolone
  - (2) Cyclophosphamide should be commenced once recurrence is confirmed
  - (3) In a patient who develops nephrotic-range proteinuria 2 weeks after transplant, a biopsy specimen that is normal on light microscopy excludes the diagnosis of recurrent FSGS
  - (4) Plasma exchange should be commenced once a diagnosis of recurrent FSGS is made, with a plan to complete approximately nine cycles of therapy
- 123. True about concomitant kidney-liver transplantation -
  - (1) Not necessary to routinely cross match unsensitised patients before LKT
  - (2) Liver transplant provides a form of immunological protection
  - (3) Fear of recurrent disease greater than rejection
  - (4) All of the above

- 124. Following are immediate complications of donor nephrectomy, EXCEPT -(1) Pulmonary thromboembolism
  - (2) Renal ischemia leading to graft rejection
  - (3) Wound infections
  - (4) Hematoma
- 125. Most common indication for treatment of Lymphocele -
  - (1) Bleeding
  - (2) Ureteral obstruction
  - (3) Pain in local area
  - (4) None of the above
- 126. Actuarial survival is a -
  - (1) Method of calculating how long a patient will live after kidney transplant failure
  - (2) Statistical method of maximizing the information available for analysis of outcome from a group of patients and events
  - (3) Way of making "actual results" seem more plausible
  - (4) Statistical method to estimate the outcomes of patients who are lost to follow-up
- 127. To improve outcome with marginal kidney graft, following is correct statement -
  - (1) We need to accept the poor outcome
  - (2) Reduction of cold ischemia time with better recipient selection
  - (3) We should use calcineurin inhibitor for immune suppression
  - (4) Use single kidney for transplant only
- 128. Indication for graft nephrectomy is -
  - (1) Irreversibly damaged graft kidney which is symptomatic
  - (2) Chronically rejected asymptomatic graft to withdraw immunosuppression
  - (3) To prevent development of HLA antibodies
  - (4) All of the above
- 129. Improved kidney surviving strategy includes all, EXCEPT -
  - (1) decreasing warm ischemia rather than cold ischemia
  - (2) age matching of donor and recipient
  - (3) use of pulsatile perfusion machine
  - (4) use of protective agents in solution

130.	What	has been described as the footprint for presence of antibody mediated rejection?	
	(1)	C4d	
	(2)	C3	
	(3)	C3b	
	(4)	C1q	
131.	Expai	nded criteria for donor kidney, which is true?	
	(1)	Allocated according to multiple parameters	
	(2)	Offered to those who agree to accept them	
	(3)	Kidneys have similar graft survival to others	
	(4)	2 year graft survival is 90%	
132.	Ideal	cold ischemia time for kidney transplantation is -	
	(1)	16 hrs.	
	(2)	18 hrs.	
	(3)	20 hrs.	
	(4)	Less than 12 hrs.	
133.	Acute	e nephritic syndrome include all, EXCEPT -	
	(1)	Post streptococcal glomerulonephritis	
	(2)	Lupus nephritis	
	(3)	Alport syndrome	
	(4)	IgA nephropathy	
134.	Follo	wing is true statement for deceased donor optimization-	
	(1)	Plasma sodium should be above 160 mmol/Lit	
	(2)	Urine output should be 0.5-3ml/kg/hr	
	(3)	Euglycemia < 120mg/dL	
	(4)	Hypothermia	
135.	Dono	r renal vein is sewn to which vessel?	
	(1)	Internal iliac vein	
	(2)	External iliac vein	
	(3)	Either of above	
	(4)	Inferior vena cava	
136.	Whic	h is less common in CKD?	
	(1)	Hyperkalemia	
	(2)	Hyperphosphatemia	
	(3)	Hypocalcemia	
	(4)	Hypokalemia	
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137.		Which of the following has been associated with higher incidences of mortality in living donor		
	-	ectomy?		
		Open donor nephrectomy		
	(2)	Ligation of the renal vein with Endo-GIA stapling device		
	(3)	Legation of renal artery with single Hem-o-lok clip		
	(4)	Retroperitoneoscopic donor nephrectomy		
138.	Gold	standard diagnosis of transplant renal artery stenosis is -		
	(1)	USG Doppler		
	(2)	Angiography		
	(3)	Re-exploration		
	٠,,	MRI		
139.	In sm	all children (wt.< 20kg) which is true statement for renal transplant?		
	(1)	Kidney placement as usual extraperitoneal pelvic location		
	(2)	Kidney placement intra peritoneal with vascular anastomosis with Infrarenal IVC and aorta		
	(3)	Vascular anastomosis to common iliac artery and vein		
	(4)	Native nephrectomy done and kidney transplanted orthotopically		
140.	Most	common type of peritransplant collection is -		
	(1)	Haematoma		
	(2)	Urinoma		
	(3)	Lymphocele		
	(4)	Abscess		
141.	Most	common technique for ureteric anastomosis is -		
	(1)	Lich Gregoir		
	(2)	Cohen		
	(3)	Paquin		
	(4)	Ledbetter-Politano		
142.	. What	is treatment of choice in proteinuria with hypertension?		
	(1)	Angiotensin receptor blockers		
	(2)	Calcium channel blockers		
	(3)	β blocker		
	(4)	α blocker		
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143.	Delay	ed consequences of AKI are all, EXCEPT -
	(1)	Recurrent AKI
	(2)	HTN
	(3)	DM type 2
	(4)	Incident ESRD
144.		n ischemia is because of -
	(1)	Surgical trauma
	(2)	Failure of oxidative phosphorylation
	(3)	Cold irrigation trauma
	(4)	None of the above
145.	All ar	re true, EXCEPT -
	(1)	Functionalized augmentation is preferable to dry augmentation.
	(2)	Urothelium lined augmentation is best.
	(3)	Augmentation is indicated when there is decreased bladder capacity.
	(4)	Augmented bladder do not require CIC.
146.	The e	expanded criteria of donor kidney is -
	(1)	Kidney from deceased donor older than 60 year
	(2)	Deceased donor aged 50-59 years with two additional risk factors
	(3)	Allocated according to waiting time alone
	(4)	All of the above
147.	Most	common hereditary renal disorder leading to ESRD is -
	(1)	Autosomal recessive polycystic kidney
	(2)	Hypo plastic kidneys
	(3)	Medullary cystic disease
	(4)	ADPKD
148.	ACE	inhibitors are indicated in CKD patients to -
	(1)	Improve renal function
	(2)	Improve cardiac function
	(3)	To prevent progressive kidney disease
	(4)	To control blood lipids
		· · · · · · · · · · · · · · · · · · ·

- 149. Which surgical technique is being used today for pancreas kidney transplant?
  - (1) Pancreas and duodenum venous anastomose iliac vein and duodenoenterostomy for exocrine drainage
  - (2) Pancreas and duodenum venous anastomosis to iliac vein and duodenocholecystostomy for exocrine drainage
  - (3) Whole pancreas duodenal transplantation with portal venous drainage and duodenojejunostomy for exocrine drainage
  - (4) None of the above
- 150. Rapidly rising cause of chronic renal failure in India is -
  - (1) Hypertension
  - (2) Renal infections
  - (3) Diabetes insipidus
  - (4) Diabetes mellitus
- 151. All are true, EXCEPT -
  - (1) Lateral lymphoceles are easy to access laparoscopically.
  - (2) Lymphocele are best treated by unroofing into peritoneal cavity.
  - (3) Lymph has creatinine similar to that of blood.
  - (4) Lymph has creatinine less than that in urine.
- 152. What is the strongest risk factor for development of stone disease in transplanted kidney?
  - (1) Non-absorbable sutures in urinary tract
  - (2) Retained stent
  - (3) Persistent UTI
  - (4) Female gender with previous history of stone disease
- 153. All except one is contraindication for the use of desirable side for renal transplant -
  - (1) Previous venous thrombosis of one leg of that side
  - (2) History of prolong venous cannulation in one leg of that side
  - (3) Previous abdominal incision on that side
  - (4) That side lower limb is fractured
- 154. Prior to renal transplant following are the indications of UDS, EXCEPT -
  - (1) Patients with history of lower urinary tract symptoms
  - (2) De functionalized bladder
  - (3) Patient with history of kidney stone disease
  - (4) Complex urological history

- 155. During organ harvesting following statement is true in case of deceased donation -(1) Liver, pancreas to be harvested in last
  - (2) Kidney to be harvested in last
  - (3) Kidney to be harvested first as surgeon wants to prevent it for ischemia
  - (4) Right kidney to be harvested first then liver, pancreas and then left kidney
- 156. What is divided in last during donor nephrectomy?
  - (1) Ureter
  - (2) Renal artery
  - (3) Gonadal vein
  - (4) Renal vein
- 157. Which of the following statement about post transplantation malignancy is correct?
  - (1) Certain immunosuppressive agents increase the incidence of malignancy in transplant recipient, whereas others do not.
  - (2) Those malignancies most commonly seen in the general populations (breast, colon) are substantially more common in transplant recipients.
  - (3) Lymphoproliferative states and B-lymphomas are associated with Epstein Barr virus.
  - (4) None of the above
- 158. True about Pharmacokinetics of calcineurin inhibitors -
  - (1) Tacrolimus levels can decrease by 25% with discontinuation of steroids
  - (2) Diltiazem and ketoconazole helps in achieving therapeutic levels
  - (3) Sevelamer may increase levels
  - (4) Bioavailability of oral cyclosporine is 70%
- 159. Points which preclude donation are -
  - (1) Proteinuria > 250mg/day
  - (2) Total GFR < 80 ml/minute
  - (3) Current pregnancy
  - (4) All of the above
- 160. During cold ischemia and/or warm ischemia following is pathophysiology of cell damage, EXCEPT-
  - (1) Cell swelling due to poor function of Na<sup>+</sup>/K<sup>+</sup> ATPase
  - (2) Acidosis due to anaerobic metabolism
  - (3) Reactive free radicals
  - (4) Improperly functioning of Mg<sup>++</sup> pump

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161.	Which	h of the following interferes with the tubular secretion of creatinine and can cause an increase
		um creatinine levels?
	(1)	Azathioprine
	(2)	Trimethoprim
	(3)	Mycophenolate mofetil
	(4)	Basiliximab
162.	Adva	ntages of Laparoscopic donor nephrectomy over open donor nephrectomy are all, EXCEPT -
	(1)	Improved donor satisfaction
	(2)	Less donor morbidity
	(3)	Improved graft outcomes
	(4)	It increases living donation rate
163.	Repor	rted mortality of donor nephrectomy is -
	(1)	0.0001%
	(2)	0.03%
	(3)	0.1%
	(4)	1%
164.	Renal	blood flow normally drains -
	(1)	30% of cardiac output
	(2)	20% of cardiac output
	(3)	40% of cardiac output
		35% of cardiac output
165.		rding to the Banff working classification of Renal allograft Pathology, which of the following
	•	ns would be recognized as acute antibody-mediated rejection?
	(1)	, ,
	(2)	Peritubular capillary C4d deposition, peritubular capillaritis, interstitial inflammation
	(3)	Circulating donor-specific antibodies, mild-moderate large vessel intimal arteritis, moderate interstitial fibrosis
	(4)	Peritubular capillary C4d deposition, circulating donor-specific antibodies, peritubular
		capillaritis
166.		ment of choice for primary oxalosis causing ESRD -
	(1)	
	(2)	Liver treatment
	(3)	Renal and liver treatment
	(4)	None of the above

- 167. Regarding allograft nephrectomy which of the following statement is true?
  - (1) Allograft nephrectomy is indicated for all failed kidney transplant.
  - (2) Allograft nephrectomy is a relatively simple procedure and can be performed without significant prior experience.
  - (3) Levels of circulating anti HLA antibody may be reduced by allograft nephrectomy if the transplant fails with in one year.
  - (4) Allograft nephrectomy is mandatory if candidate for second renal transplant.
- 168. Not true about peritoneal dialysis -
  - (1) In PD, 1.5-3lit. of dextrose solution is infused in peritoneal cavity and allow to dwell for at least 2-4 hrs.
  - (2) In initial PD it is done along with HD for better outcome.
  - (3) PD may be carried out as CAPD, CCPD or combination.
  - (4) PD solution are available in volume typically.
- 169. Most common causes of death following kidney transplant in order are -
  - (1) heart disease, sepsis and stroke
  - (2) kidney failure, sepsis and cancer
  - (3) sepsis, cancer and heart disease
  - (4) heart disease, cancer and stroke
- 170. A 40-year-old woman is evaluated for kidney donation all pertinent tests are negative except for microscopic hematuria. She has menstrual cycle 15 days ago. Urine sediment shows six dysmorphic RBCs on phase constant microscopy. Which one of the following test you recommend for this donor?
  - (1) Renal Biopsy
  - (2) CT scan of kidneys
  - (3) Malignancy workup
  - (4) Workup for renal stones
- 171. A 54-year-old male with ESRD due to type 2 DM has been on haemodialysis for 2 years and is referred for transplant evaluation. Which of the following is an absolute contraindication to renal transplantation?
  - (1) Gleason 3+3 prostate cancer treated by radical prostatectomy 1 year ago
  - (2) Recent development of a gangrenous toe
  - (3) A T1a N0Mx Fuhrman grade 2 RCC treated by radical nephrectomy 1 year ago
  - (4) History of below knee amputation 4 years ago now moving with prosthesis

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172.	A 30-	year-old man with type 1 diabetes and creatinine of 4.1 mg/dl (eGFR 18ml/min) ask you about
	transplant options. Which one of the following is considered the best option for this paties	
	(1)	Living – related kidney transplant alone
	(2)	Cadaveric transplant alone
	(3)	Simultaneous pancreas and kidney transplant
	(4)	Pancreas after kidney transplant
173.	False	about tacrolimus is -
	(1)	Macrolide antibiotic
	(2)	Isolated from Streptomyces-Tsukubaensis
	(3)	They are myelosuppressive
	(4)	Previously called FK-506
174.	Kidne	ey transplant survival rates are poorest for which of the following donor categories?
	(1)	Sibling
	(2)	Parent
	(3)	Spouse
	(4)	Expanded criteria deceased
175.	Whic	h of the following is true regarding urologic complications after renal transplantation?
	(1)	Urologic complications are less common than vascular complications
	(2)	Urologic complications invariably manifest early
	(3)	Re-exploration and surgical reconstruction are always required for urine leaks
	(4)	Transplant ureteral stenosis is associated with BK polyoma virus infection
176.	Proba	able risk factors in developing malignancy in transplanted patients are all, EXCEPT-
	(1)	Immunosuppression
	(2)	Infection with organic virus
	(3)	Loss of "T" suppressor function
	(4)	Presence of diabetes mellitus
177.	Most	common preservative for all abdominal organs is -
	(1)	UW Solution
	(2)	Saline
	(3)	Bouins fluid
	(4)	Liquid nitrogen

Self-

- 178. In which state of India highest no. of deceased donation and transplantation is done?
  - (1) Kerala
  - (2) Telangana and Andhra
  - (3) Tamil Nadu
  - (4) Karnataka
- 179. Following are preservative solutions used for transporting harvested kidney, EXCEPT -
  - (1) University of Wisconsin solution
  - (2) Celsior solution
  - (3) Histidine Tryptophan Ketoglutarate solution
  - (4) Histidine Ringer lactate Citrate solution
- 180. False about living donor evaluation process -
  - (1) Undergoing evaluation is a commitment to donate
  - (2) Physician may turn me down as donor and will be informed why
  - (3) Information obtained is confidential
  - (4) I can stop at any time

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## Space for Rough Work

07 - #