Peritoneal Dialysis as First Dialysis Modality

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Moscow, November 22, 2019

ДWhat is important to use and our patients? XIV Общероссийская научно-прак Why PD first? ая конференция РДО 2. PD first = for whom? Ября 2019 г.

3. PD first – what is necessary? Доклад Яцека Ланге X4V Сообые российская научно-практическая конференция РДО 21-23 ноября 2019 г.

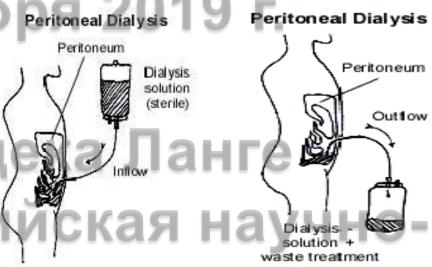


іад Янвыбаг√онры российская научнокая конференция РДО

21-23 HO96 Peritoneal Dialysis 1

1976 – development of CAPD

- Robert Popovich and Jack Moncrief
- Samodzielne permorming PD exchanges by the patient at home (4-5 2L exchanges per day)
- Number of PD patients rose rapidly

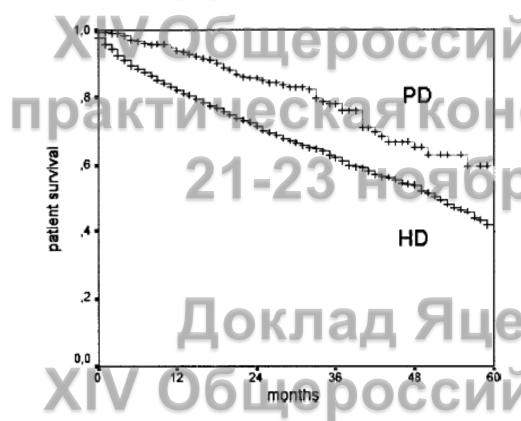


практическая конференция РДО 21-23 ноября 2019 г.

Patients Survival in Peritoneal Dialysis XIV Danish Registry ССИЙСКАЯ НАУЧНО-



Patients Survival in Peritoneal Dialysis Доклад Яцека Ланге

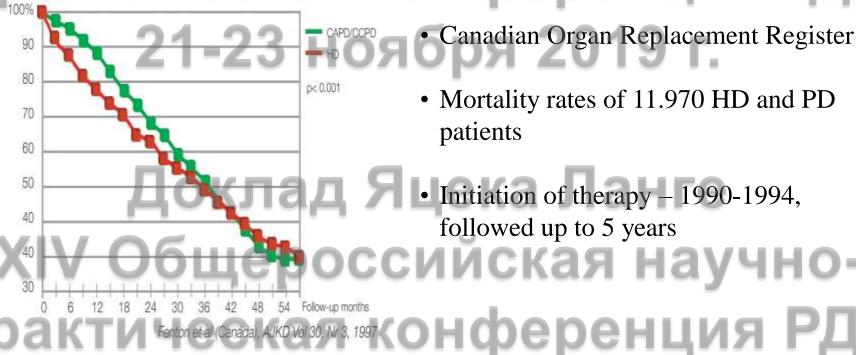


Cala, Perit Dial Internat 2007;27(3):238-244.

- Initiation of treatment 2000 2004
- 377 PD patients, 2789 HD patients
- After adjustment for age, gender, diabetes and nephroangiosclerosis hazard ratio for HD 1.5 (95% CI 1.1-

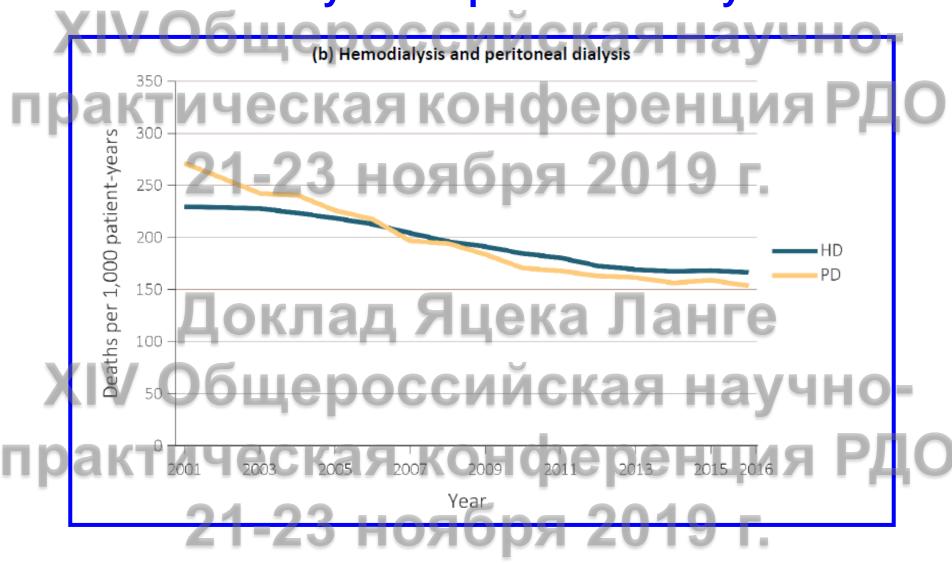
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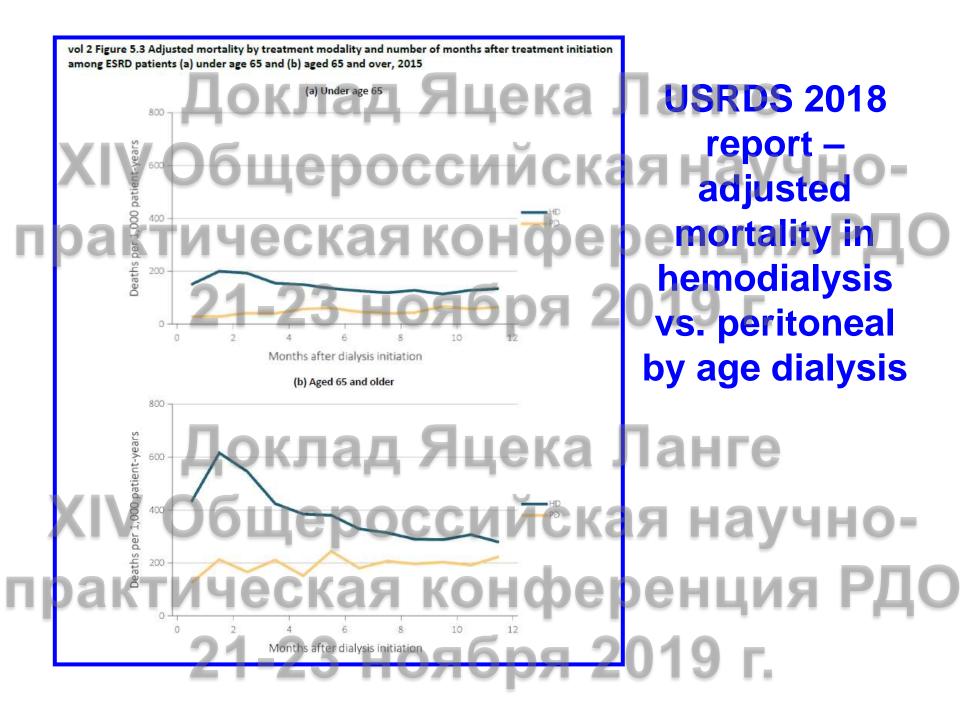
Patients Survival In Peritoneal Dialysis XIV Общероссийская научно-



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USRDS 2018 report – adjusted mortality in hemodialysis vs. peritoneal dialysis





Comparison of Patient Survival Between Hemodialysis and Peritoneal Dialysis Among Patients Eligible for Both Modalities Karal Leka a Here

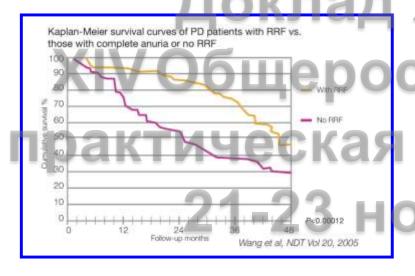


Ben Wong, Pietro Ravani, Matthew J. Oliver, Jayna Holroyd-Leduc, Lorraine Venturato, Amit X. Garg, and Robert R. Quinn

- ть WHO? All adult patients who developped ESRD ДДЛЯ РДО
 - WHEN? From January 2004 to December 2013
 - WHERE? Referred to 7 regional centers at Ontario, Canada

Cohort	HD Event Rate	PD Event Rate	Unadjusted HR _{PD:HD} (95% CI)	Adjusted HR _{PDHD} (95% CI)
Traditional			100000	
Overall	0.65	0.42	0.59 (0.48-0.73)	
Age < 65 y, before y 3	omer	10CC	ииская н	0.60 (0.42-0.86)
Age < 65 y, after y 3			171011471	1.45 (0.74-2.86)
Age ≥ 65 y, before y 3			_	0.91 (0.69-1.19)
Age ≥ 65 y, after y 3	1001/	ON DO	НФОРОН	1.54 (0.93-2.50)
Eligible	0.47	0.38	0.76 (0.60-0.97)	1.08 (0.82-1.42)
Eligible outpatient	0.41	0.34	0.83 (0.62-1.11)	1.19 (0.86-1.65)

Residual Renal Function – predictor of mortality



- 236 patients on CAPD, 39% completely anuric
- 2-year survival was 89.7 vs 65.0% for patients with GFR ≥ 1 mL/min and anuric, respectively



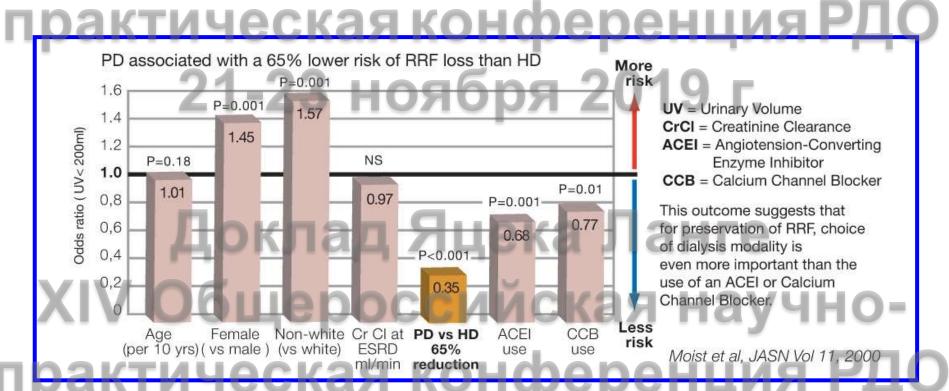
д Яцека Ланге

RRF is an advantage in Hemodialysis as well

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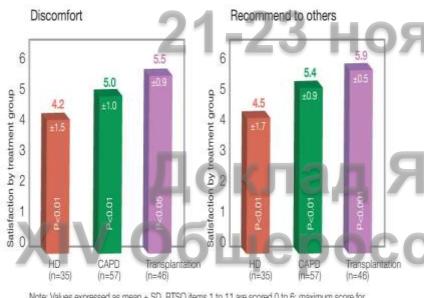
Shemin D, et al., Am J Kidney Dis. 2001

Доклад Яцека Ланге Predictors of RRF preservation XIV Общероссийская научно-



Quality of Life - HD vs. PD vs. RTx

Patients on HD were less satisfied than the patients on PD, and least likely to recommend their treatment to other patients with Chronic Renal Insufficiency (CRI).



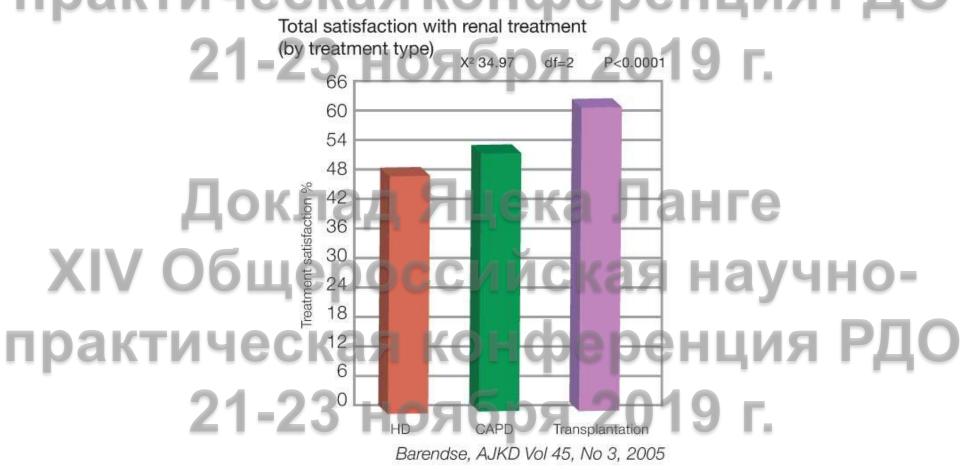
- RTSQ (Renal Treatment Quality Questionaire) was designed to assess:
 - Convenience
 - FlexibilityFreedom

 - Satisfaction

онференция Р 21-23 ноября 2019 г.

Quality of Life = HD vs. PD vs. RTx

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Infections rate PD and HD ДОКЛАД ЯЦЕКА ЛАНГЕ





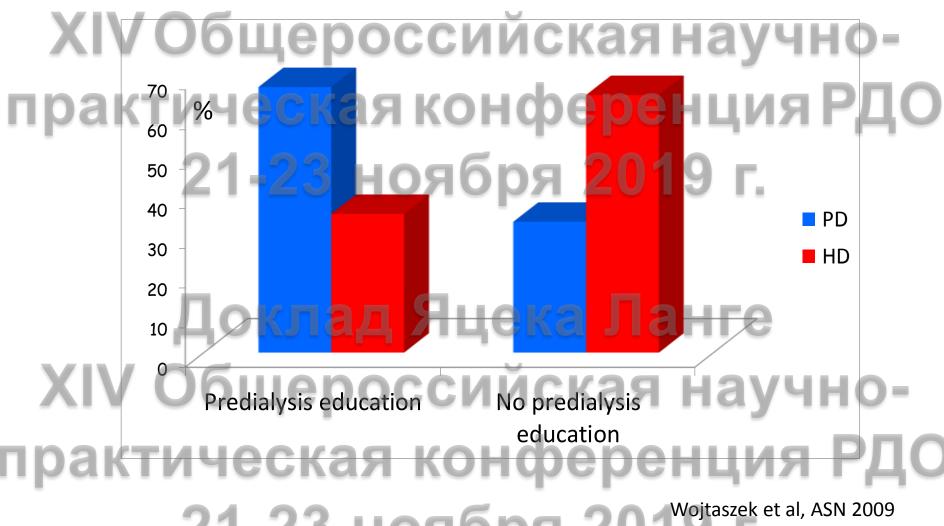
Suitability of patients for HD, PD and RTx



Peritoneal dialysis – barriers Доклад Яцека Ланге

- XAged patients ще российская научно-
- Multiple or serious commorbidities
- Availability of HD economical needs of hspital over medical advantages
- Maintenance of PD units with few PD patients
- Cost of treatment, type of reimbursement
- X Low patients' education ССИЙСКАЯ На
- Insufficient PD training for Nephrologists

Peritoneal dialysis – barriers Доклад Яцека Ланге



21-23 ноября 20 Wojtaszek et al, ASN 2009

Patients' referral to Renal Replacement Therapy

Too many patients are referred too late

- Obrador & Pereira, Am J Kidney Dis 1998: 31: 398-417.
- Jungers, Kidney Int 1993; 43: S170-S173.
- Lameire, NDT 1999; 14 [Suppl 6]: 16-23.
- Moist, Clin J Am Soc Nephrol 2008;3:1726-1732
- Van den Bosh, Patient Prefer Adherence 2015 Sep;9,9:1279-91

Chan, Kidney Int 2019, 96:37-47 HOSOBS 2019

•The current level of care is not good enough.

Obrador, JASN 1998; S44-S54. Lameire, Kidney Int 2002; 61 (Suppl 80): 27-34. Moist, Clin J Am Soc Nephrol 2008;3:1726-1732

- Van den Bosh, Patient Prefer Adherence 2015 Sep;9,9:1279-91
 Chan, Kidney Int 2019, 96:37-47

advantages of the predialysis care are proven

- EDTNA ERCA J 2002 ;28 (6): 49-55
- Nephrol Nurs J. 2002; 28 (1): 643-6
- Nephrol News Issues 2001;15 (10):17-9
- Mendelsaohn, Am J Kidney Dis. 2007;47:277-284
- Moist, Clin J Am Soc Nephrol 2008;3:1726-1732
- Van den Bosh, Patient Prefer Adherence 2015 Sep;9,9:1279-91
- Chan, Kidney Int 2019, 96:37-47

Lack of education on CKD e

XIV Обще Mehrotra: KI 68:378, 2005 Я

- Questionaires sent to 1143 incidence dialysis patients in South California. Out of that, the answers received from 428 patients;
- 36% of patients didn't know that they suffer from kidney disease < 4 months before starting dialysis;
- Nobody discussed the possibility of PD with 66% of patients;
- щероссииская
- Nobody discussed the possibility of renal transplantation with 74% of patients СКАЯ КОНФЕРЕНЦ
 - 21-23 ноября 2019 г.

Dialysis initiation, modality choice, access, and prescription: conclusions from a Kidney Disease: How Improving Global Outcomes (KDIGO) Controversies Conference

Check for updates

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XIV Общероссийская научно-Conference — January 2018 Практическа Published — Kidney Int 2019, 96:37-47 21-23 ноября 2019 г.

Structured Predialysis Education Program (PEP) XIV Общероссийская научно-

In every Nephrology department the clinicians say they provide patients with the proper information about CKD and renal replacement therapy (RRT).

Reality

- 1. Information often too late;
- 2. Information provided in a very short and stressful way;
- 3. Information, not predialysis education;
- Lack of structured PEP in most of dialysis centers, also at many universities.

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Structured PEP - HOW?e

What are the steps? How they look like? What we need?

- 1. The Nephrologist in the outpatients clinic is not able to provide PEP
- 2. Step 1 Nephrologist in the outpatient clinic to refer the patient to the PEP clinic.
- 3. Multiple outpatient clinics may refer to one central PEP clinic.
- 4. Usually PEP consists of 3 educational sessions.
- 5. Sessions shouldn't be too close to each other, to allow the patient and family to digest the information, resulting in more conscious choice of RRT.
 - 21-23 ноября 2019 г.

However, sometimes we do see things differently... So we should take another look ... Y HO-



Communication pitfalls

Patients usually receive the information about their chronic disease with the lack of proper, slow, clear and fully understandable communication;

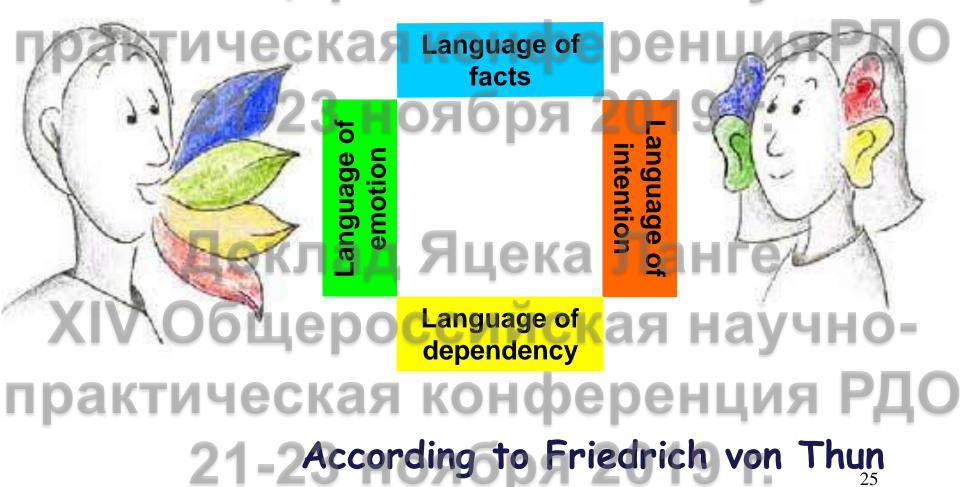
щероссийская научно-

- 2. The normal reaction is fear, 9π 2019 Γ.
- 3. Fear may result in 3F

 - а) Fight; b) Flee;Доклад Яцека Ланге
 - c) Freeze;
- Need in HCPs to understand defensive processes
 Understanding the patient,

 - 2. Understanding of our own reactions. 2019

Interpersonal communication XIV Общероссийская научно-



Interpersonal communication



Interpersonal communication

Доклад Яцека Л Language of facts: иска рактическая конфек

· It's green light already.

Риге information. Яцека Л Доклад Яцека Л XIV Общероссийска рактическая конфер 21-23 ноября 20

Darling, it's green light already

Interpersonal communication Доклад Яцека

Language of facts: Ka Language of sintention pealready

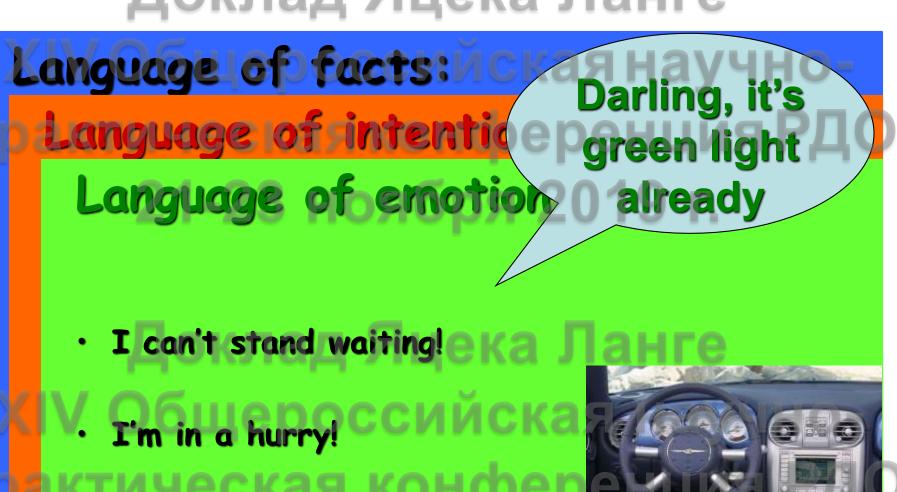
21-23 ноября 2019 г.
• I would like you to move.

· Intention, without emotion. XIV Общероссийска рактическая конферек

Darling, it's green light



Interpersonal communication Доклад Яцека Ланге



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Interpersonal communication Доклад Яцека Ланге



д Mourning (grief) ге XIV Общероссыйская научноakturretrievable farewell^{us P} 21-23 ноября 2019 г.

Reconciliation with loss

XIV Общероссийская научно
1. Sigmund Freud: "Mourning and melancholia", 1915

- 2. John Bowlby: "Attachment and loss", 19693. Antonio Onofri: "Mourning. Cognitive evolutionary 21-23 psychotherару", 2016 2019 г.

Dealing with loss - mourning XIV Общероссийская научно-

- практическая конференция РДО
 - 2. Anger 21-23 ноября 2019 г.
 - 3. Trading
 - 4. Depression Клад Яцека Ланге
 - 5. Acceptance. Farewell.

 1. Sigmund Freud: "Mourning and melancholia", 1915

 - John Bowlby: "Attachment and loss", 1969
 Antonio Onofri: "Mourning. Cognitive evolutionary 21-23 psychotherару", 2016 2019 г.

Triangle of conflict Доклад Яцека Ланге XIV Общероссийская на Defense каяконфер e H Fear A 21223 ноября 2012 г. Доклад Яцека Ј ссийская на Feeling External signal ренция РДО 21-23 HO9 David Malan, 1979 33

Personality – defensive processes

- 1.XDeniaD бщерос
- Repression
- 3. Acting out e.c.
- 4. Rationalization
- 5. Intellectualization
- 6. Moralization
- 7. Projection
- 8. Idealization / devaluation
- 9. Introjection / identification
- 10. Projective identification
- 11. Sublimation
- 12. Reaction formation

- 13. Omnipotency / Omnipotent control
- 14. Turning against the Self
- 15. Splitting of the Ego
- 16. Extreme Dissociation / fugue / amnesia
- 17. Izolation
- 18. Seksualization
- 19. Regression
- 20. Somatization
- 21. Displacement
- 22. Undoing

Personality – defensive processes

1.	Denial бщеросси	13. Omnipotency / U H O -
2.	Repression	Omnipotent control
3.	Acting out eckas Kor	14. Turning against the Self
4.	Rationalization	Splitting of the Ego
5.	Intellectualization HOSO	16. Extreme Dissociation /
6.	Moralization	fugue / amnesia
		3
7.	Projection	17. <u>Izolation</u>
	Projection Idealization Idealiza	•
	<u>Projection</u>	17. Izolation
8. 9.	Projection Idealization Idealiza	17. <u>Izolation</u> 18. Seksualization
8. 9. 10.	Projection Idealization / devaluation Introjection / identification	17. <u>Izolation</u>18. Seksualization19. Regression
8. 9. 10. 11.	Projection Idealization / devaluation Introjection / identification Projective identification	17. <u>Izolation</u>18. Seksualization19. Regression20. Somatization

Докл<mark>кеу Messages</mark> анге

- 1. PD is an effective therapy for CKD patients
 - Preservation of RRF Anemia control KOHCOEDEHLUS P

 - Improved transplant function

 More managaeable infections
 - Patients survival
 - Quality of life
- 2. From the medical and psychological point of view, it is worthy to introduce PD as first RRT in all patients who
 - Agree on that **COCCUUCK**
 - Can not be transplanted preemptively
- There is a need for education and understanding of patients

Доклад Яцека Ланге XIV Общероссийская научнопрактическая конференция РДО Спасибо большое 21-23 ноября 2019 г. за Ваше внимание

Доклад Яцека Ланге XIV Общероссийская научно-практическая конференция РДО 21-23 ноября 2019 г.