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Disclosure

- Consultancy honoraria: Amgen, BMS, Daiichi Sankyo
- Chairman of the Ethics Committee of Jessa Hospital
- Former chairman of the NBVN (Dutch-speaking Belgian Nephrologists)
- No ethical background
- Nephrologist: P4P (= payed for performance)

Topics

- A. Definitions
- B. Ethical considerations throughout nephrological care
- C. Ethical dilemmas
 - A. To withhold
 - B. To escape
 - C. To withdraw

Part A: Definitions

- Morals and values
- Ethics
 - Code of conduct
- Laws and regulations

Morals

Deeply rooted community broad values, agreed upon on the basis of

- Religion
- Heritage
- Experiences
- International norms

Example: Trade in Organs is morally unacceptable



Ethics

Professional code of conduct, reflecting values and meeting the broad morals

Various stakeholders in the community have different codes of ethics, which collectively achieve the community's morals



Laws and regulations

Enforcement of particular actions to achieve critical society's morals that cannot be left to variable individual ethical behaviors.

The law cannot replace ethics. It may address logistics unrelated to ethics, and many ethical issues are not subject to legal regulations

Example: Transplant ethics, transplant law ...



Laws and regulations

- Law 1986: donation and transplantation
- Royal Decree of 08/1994: local ethics committees
- Law 08/2002: rights of the patient
- Law 05/2002: euthanasia
- Law 06/2002: palliative care
- Law 04/2004: experiments on humans
- General data protection regulation

Morals, Ethics and Law



Ethical Principles 1

- Autonomy
 - Non-judgmental respect for persons
 - Truthfulness and honesty
 - Informed consent
 - Confidentiality
- Beneficence
- Non-maleficence
- Justice



Beauchamp, Childress

Ethical Principles 2

- Behave professionally
- Educate yourself continuously
- Respect your colleagues
 - Cooperate with your colleagues
 - Consult experts

Part B:

Ethical considerations throughout nephrological care

1. First encounter
2. Diagnostic procedures
3. Treatment
4. Attestations
5. Transplantation
6. End stage kidney disease
7. End-of-Life care

1. First encounter

- Identify yourself
- Respect the patient (dignity, privacy)
- When patient is unconscious
 - Legal representative or Health Care Proxy
 - Trustee or confidential advisor



2. Diagnostic Procedures

- Informed consent
 - Process of information and checking: Ask/tell/ask
 - Noted in medical file
 - Signed or not
- Medical file
 - Entire medical file is owned by the patient
 - Except personal notes
- Genetics and Nephrology
 - Diagnosis
 - Pre-implantation diagnostics



3. Treatment

- Experimental treatments
Medical need program
- Study protocol
 - ICH GCP: each individual involved in conducting a trial should be qualified by education, training and experience to perform his/her respective task
- Informed consent when starting RRT

ICH GCP =International Conference of Harmonization: Good Clinical Practice

6. End-Stage Kidney Disease

- To inform
- Shared-decision
- To choose for RRT or to opt for maximal conservative care
- Instruments
 - Renal and vital prognostic tools
 - Depict clinical trajectories
 - Probing for the patients' preferences

7. End-of-Life care

- Clinical situations
 - Withdrawing dialysis
 - Palliative Care
 - Euthanasia
- Instruments in end-of-life care
 - From patients' perspective: living will
 - From doctors' perspective: DNR-codes, decisions limiting therapeutic efforts when futility is obvious
 - Combined: advance directives

Part C: dialysis dilemmas



To withhold



To escape



To withdraw

1. To withhold



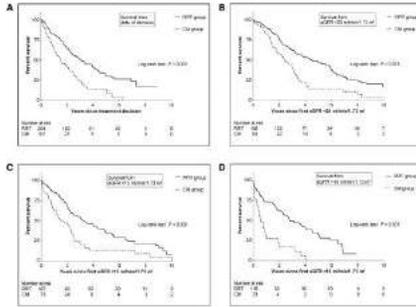
Invalidated male of 66 years of age

- First consultation: accompanied by his sister.
- He resides in a home (notwithstanding his younger age) because of aphasia after a stroke. The communication is difficult. His sister claims to be able to communicate
- The man his difficulties in walking because of a left hemiparesis.
- Formerly, he was a brewer and he had a great life.
- Unmarried
- Active smoker. He is only allowed a limited number of cigarettes by the attending nurses.
- Arterial hypertension
- No further cardiac history

Invalidated male of 66 years of age

- The man sits in a wheelchair.
- Weight: 59 kg. Blood pressure: 157/56 mmHg
- Renal diagnosis: secondary focal glomerulosclerosis
 - Creatinine: 3.89 mg/dl, eGFR 15 ml//1.73 m2
 - Proteinuria: 2.6 g/g
 - Bilateral shrunken kidneys with a resistive index of 0.77
 - Weak peripheral pulsations, thin sclerotic skin, absence of hair growing lower than the knee.
- He attends an dialysis information session and makes clear that he still wants to live.
- We offer: assisted home peritoneal dialysis

Kaplan-Meier survival curves comparing patients ages ≥ 70 years old treated with conservative management (CM) with patients on RRT using different starting points in survival calculation.



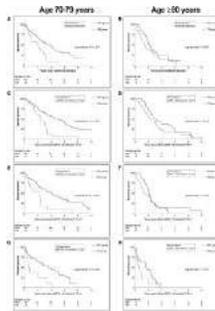
Wouter R. Verberne et al. CJASN doi:10.2215/CJN.07510715

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Kaplan-Meier survival curves comparing both treatment groups with stratification of age using different starting points in survival calculation.



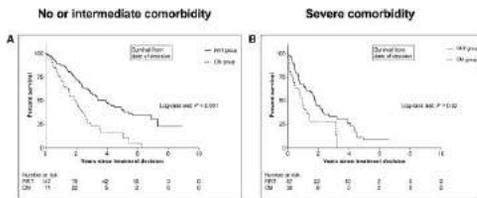
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Kaplan-Meier survival curves for both treatment groups ages ≥ 70 years old with stratification of comorbidity.



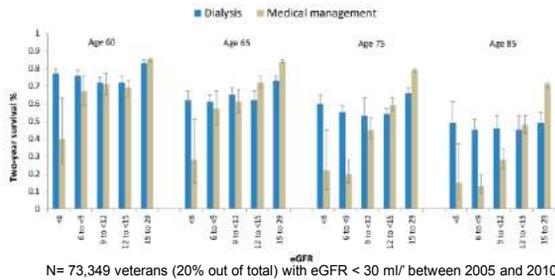
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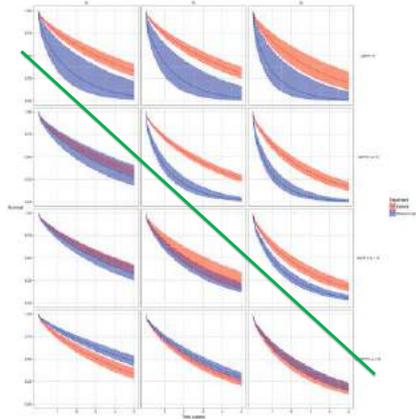
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Dialysis versus conservative care



Kurella Tamura, M. et al. Dialysis versus Medical Management at Different Ages and Levels of Kidney Function in Veterans with Advanced CKD. J Am Soc Nephrol (2018)



Dialysis versus conservative care

Table 3. Estimated survival for patients who initiate dialysis compared with patients who receive medical management, by age group and eGFR

Age, yr	eGFR (ml/min per 1.73 m ²)	Median Survival in Months (95% CI)		Difference in Median Survival (mo)
		Dialysis	Medical Management	
60	<6	71 (28, NE)	17 (5, 29)	54
	6-9	67 (26, NE)	45 (16, 90)	22
	9-12	54 (20, NE)	52 (19, NE)	2
65	<6	30 (13, 75)	11 (3, 25)	26
	6-9	38 (12, 74)	40 (10, 64)	6
	9-12	42 (15, 65)	36 (12, 74)	6
75	<6	34 (11, 70)	9 (3, 22)	25
	6-9	29 (10, 62)	8 (2, 23)	21
	9-12	28 (9, 57)	21 (7, 44)	5
85	<6	24 (8, 52)	7 (2, 14)	17
	6-9	21 (7, 44)	6 (2, 15)	15
	9-12	21 (7, 47)	11 (2, 27)	10

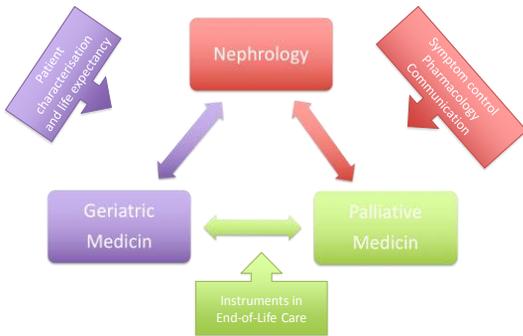
NE values correspond to times which occurred beyond the maximum follow-up time. eGFR values ≤ 12 ml/min per 1.73 m² were not presented because they were not associated with higher dialysis survival in any age group.

Kurella Tamura, M. et al. Dialysis versus Medical Management at Different Ages and Levels of Kidney Function in Veterans with Advanced CKD. J Am Soc Nephrol (2018)

End-of-Life care

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Geriatric Renal Palliative Care



Swider, M. A. Geriatric Renal Palliative Care. The Journals of Gerontology Series A: Biological Sciences and Medical Sciences 67, 1400-1409 (2012).

