

Dansk Selskab for Klinisk Ernæring

Årsmøde Fredag 27. maj 2011

Hvorfor rykker det ikke?

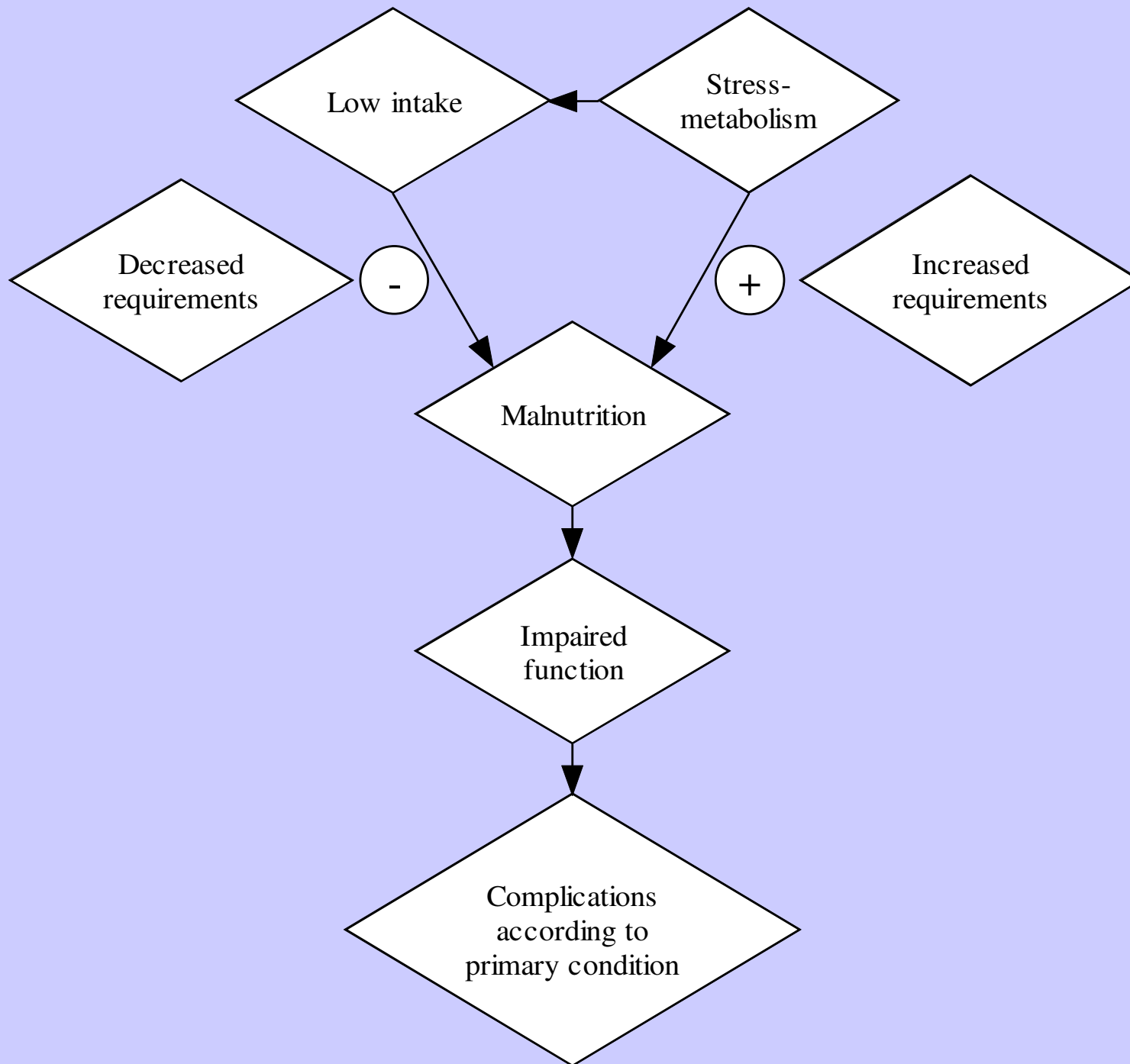


Department of Human Nutrition

Jens Kondrup



Rigshospitalet



24 weeks' semistarvation

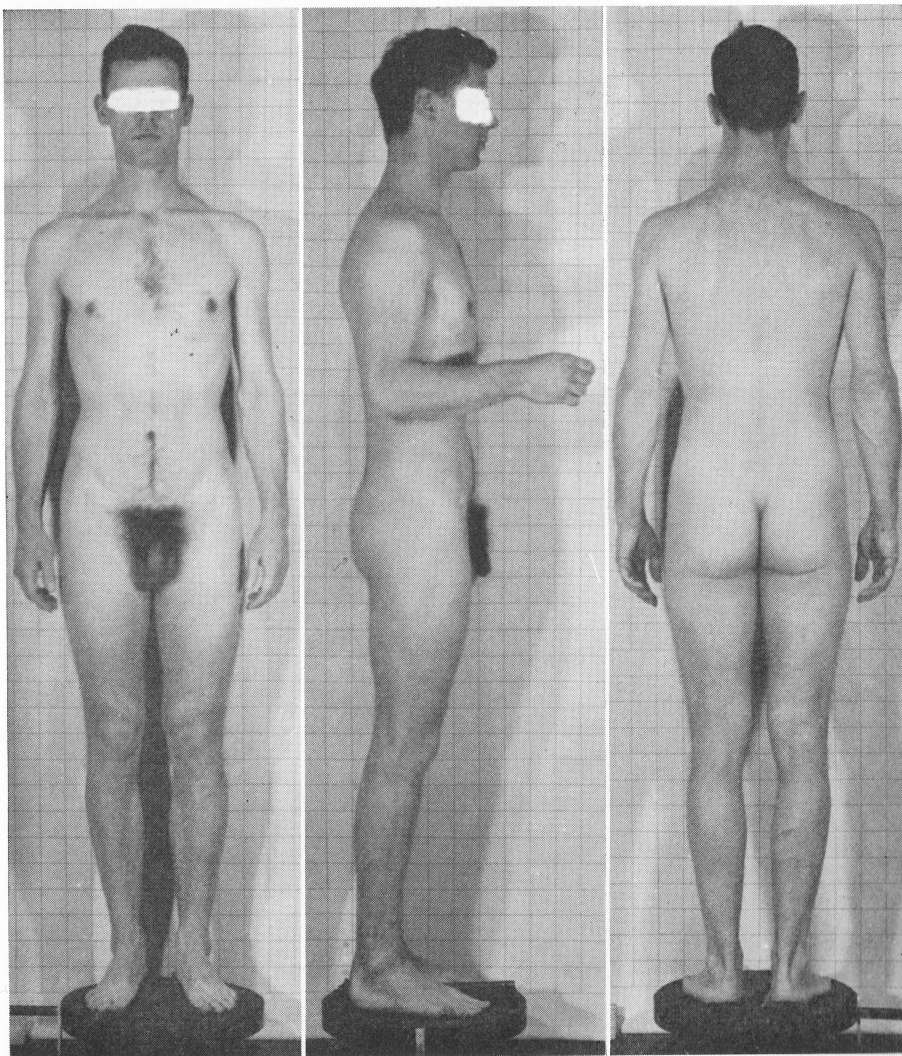


FIGURE 152. THREE VIEWS OF SUBJECT NO. 20 DURING THE CONTROL PERIOD.

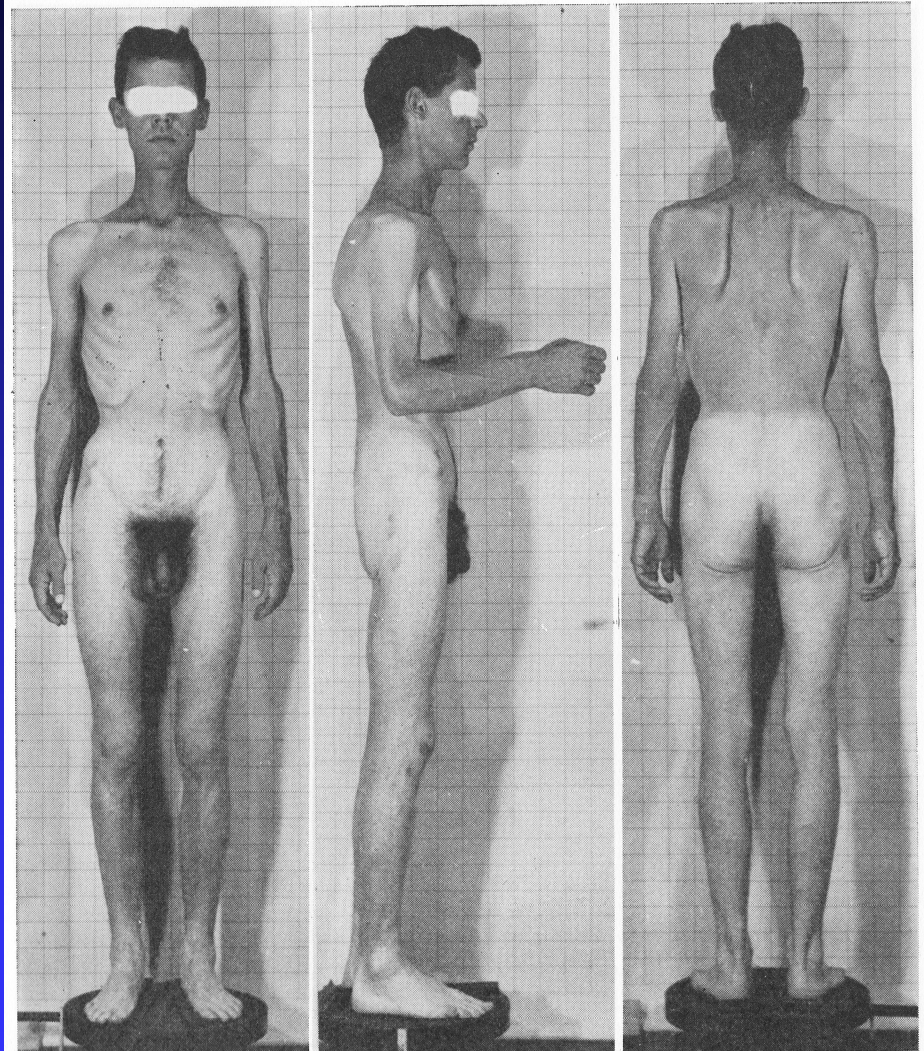
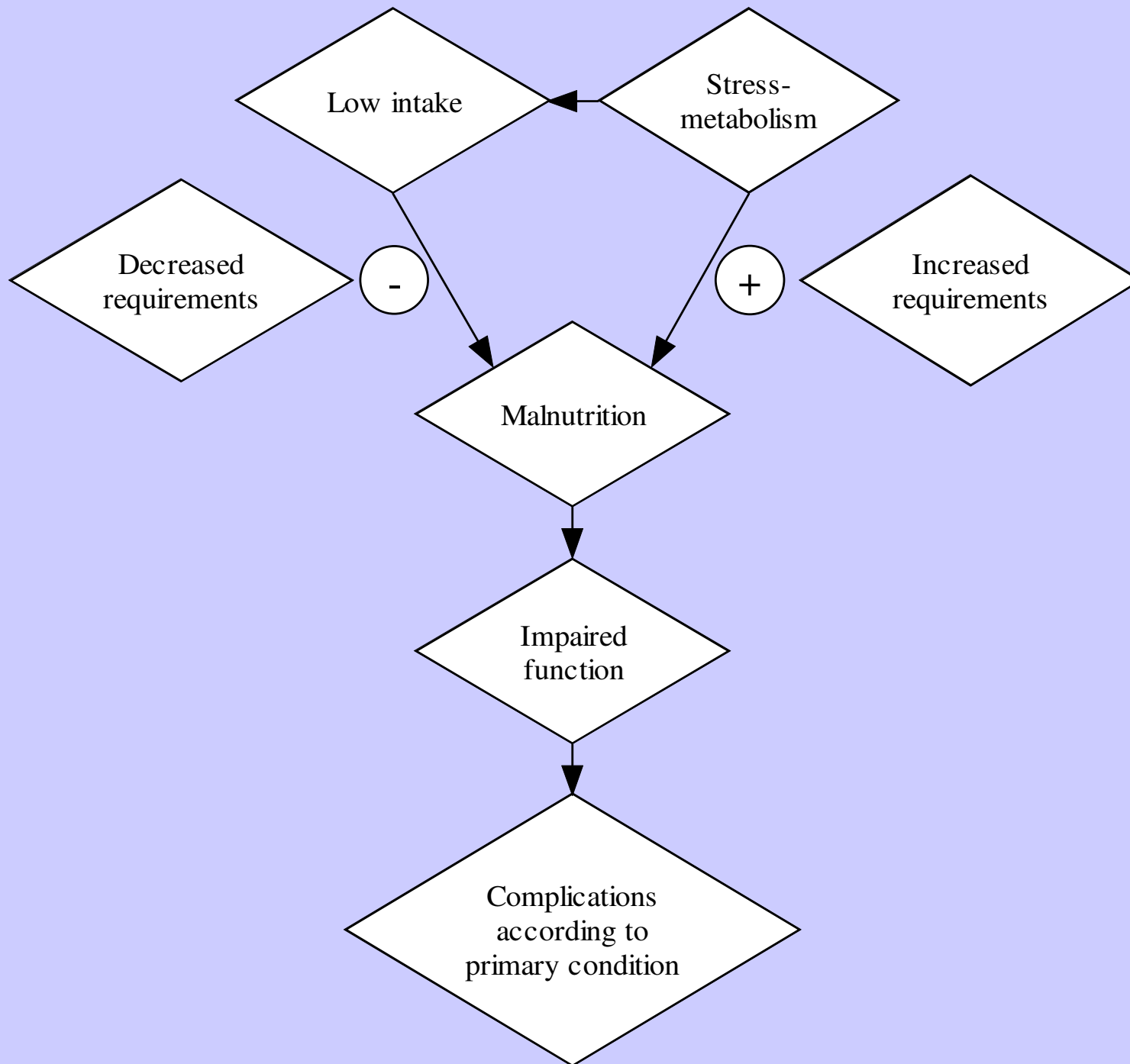
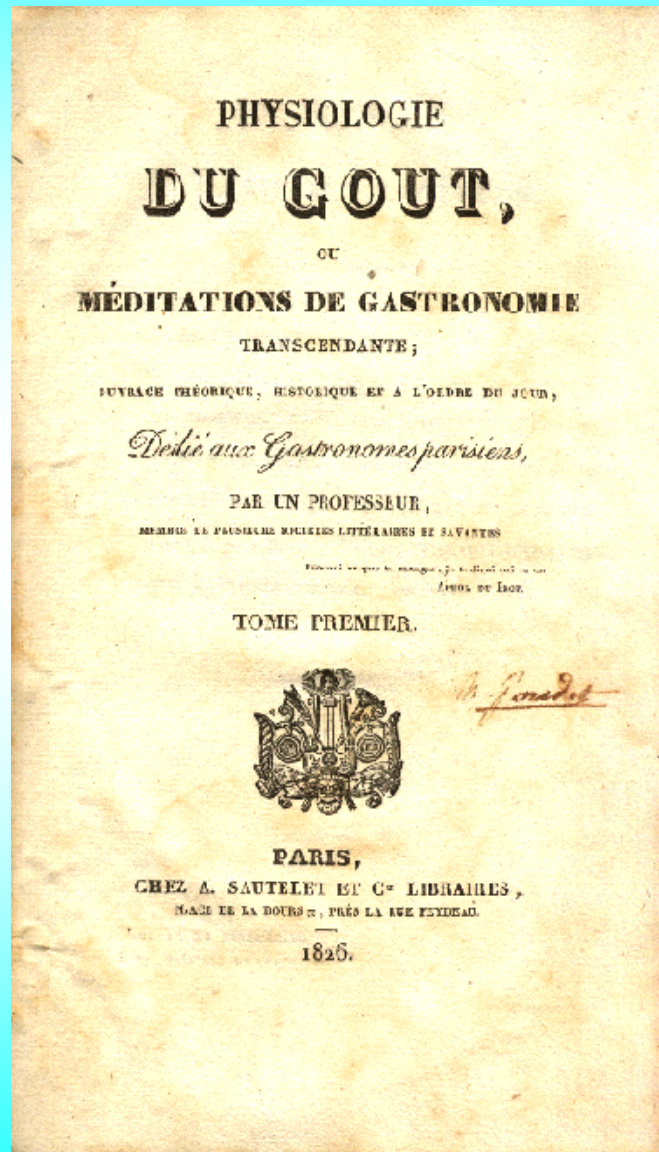


FIGURE 153. THREE VIEWS OF SUBJECT NO. 20 DURING THE LAST WEEK OF SEMI-STARVATION.



Brillat-Savarin



Skaberen

nøder Mennesket til at spise for derigennem
at opretholde Livet,
indbyder ham dertil gennem Appetitten og
lønner ham derfor gennem Nydelsen.



Institut for Kvalitet og Akkreditering i Sundhedsvæsenet

Den Danske
Kvalitetsmodel



www.kvalitetsinstitut.dk



Foto: Thomas Sass Pedersen

Governmentally approved national guidelines in...

- Denmark 2003
- France 2006
- Netherlands 2007
- Belgium 2007
- United Kingdom 2007
- Norway 2008



European Parliament resolution

25 September 2008

- Malnutrition costs European healthcare systems similar amounts as obesity and overweight
- Malnutrition is a heavy burden ...for the health care system, ...
results in increased mortality, longer hospital stays, greater complications and reduced quality of life for patients;

...treatment of complications due to malnutrition cost billions of euros in public funding every year;
- Urges the Commission to ...make malnutrition, alongside obesity, a key priority...

EU2009.CZ



MINISTERSTVO ZDRAVOTNICTVÍ
ČESKÉ REPUBLIKY

 The European
Nutrition for Health Alliance



STOP disease-related malnutrition and diseases due to malnutrition!

11 – 12 June 2009

Aquapalace Hotel,
Prague - Čestlice

FINAL DECLARATION

Today, representatives of health ministries from the EU's Member States; the Czech Presidency of the EU; medical experts; health care officials; European Commission officials; and representatives of the medical nutrition industry have gathered in Prague to discuss the impact of malnutrition on health and the effectiveness of European health care systems.

...to prevent malnutrition continuing to... undermine
the effectiveness of European health care systems.

Køkkenchefer



57 kandidater i klinisk ernæring

Evidence for nutrition support:

Meta-analysis of

27 RCTs with 1710 patients (complications) and
30 RCTs with 3250 patients (mortality).

Neurology, GI disease, liver disease, malignant disease, elderly, abdominal surgery,
orthopaedic surgery, critical illness/injury, burns.

Hospital or community

Oral supplements or tube feeding

Complications	28% vs. 46% ¹⁾
Infections ²⁾	24% vs. 44% ¹⁾
Mortality	17 % vs. 24% ¹⁾

¹⁾ P <0.001; ²⁾10 RCTs only

Treatment improves outcome

2 N = 132 patients at risk (NRS-2002) in a department of general internal medicine were randomized to standard treatment or individual nutrition care. Mean $\pm$ SD

	Control	Intervention
Energy intake, kcal	1115 $\pm$ 381	1553 $\pm$ 341 ¹⁾
Protein intake, g	44 $\pm$ 17	65 $\pm$ 16 ¹⁾
% reaching 75% of energy target	30	83 ¹⁾
Complications, %	20	6 ²⁾
SF-36 Physical Summary	32 $\pm$ 9	37 $\pm$ 11 ³⁾
Re-admissions in 6 mths, %	46	27 ⁴⁾

¹⁾P<0.001 ²⁾ P = 0.035 ³⁾ P = 0.030 ⁴⁾ P = 0.027

BAPEN report: 2005

Table 1 Estimated annual public health expenditure on individuals at medium and high risk of malnutrition.

	Actual cost (£ million)	Additional cost* (£ million)
Hospital inpatients (Model 2b)	3796	3194
Long-term care	2600	1646
GP visits [†]	> 494	> 194
Hospital outpatient visits [†]	> 175	> 43
Artificial nutrition and ONS in hospital	54	54
Artificial nutrition and ONS in the community	149 [‡]	149 [‡]
Other	?	?
Total	> 7268	> 5280

Based on 33% longer LOS and twice as frequent hospitalisations for at-risk patients and the average bed day cost (£ 258).

Elia et al. The Cost of disease-related malnutrition in the UK. BAPEN 2005; Russell. Clin Nutr Suppl 2007; 2: 25–32

European Council's Committee of Ministers

Resolution November 12th 2003 on Food in Hospitals:

<https://wcm.coe.int/ViewDoc.jsp?id=85747&Lang=en>



Considering

- access to a safe and healthy variety of food is a fundamental human right
- the unacceptable number of undernourished hospital patients in Europe
- etc

Historie

- 1992: 1. Årsmøde i klinisk ernæring
- 1995: 1. udgave af Anbefalinger for Den Danske Institutionskost (Sundhedsministeriet)
- 1996: DSKE dannes
- 1997: Debat og beslutning i Folketinget: Sundhedsminister vil opprioritere ernæring i Sundhedsstyrelse og amter, finansiere udviklingsprojekter og udgive vejledninger..
- 1997: Offentlig kostforplejning. Betænkning 1334. Levnedsmiddelstyrelsen.
- 1999: Anbefalinger for den danske Institutionskost opdateres med NRS-2002
- 1999-2003: Projekt Underernæring På Sygehuse & 10 andre implementeringsprojekter
- 2003: Sundhedsstyrelsens vejledning
- 2003- : Regioner, Patienten-følger-pengene, DRG takster, metaanalyser
- 2010: Den Danske Kvalitetsmodel

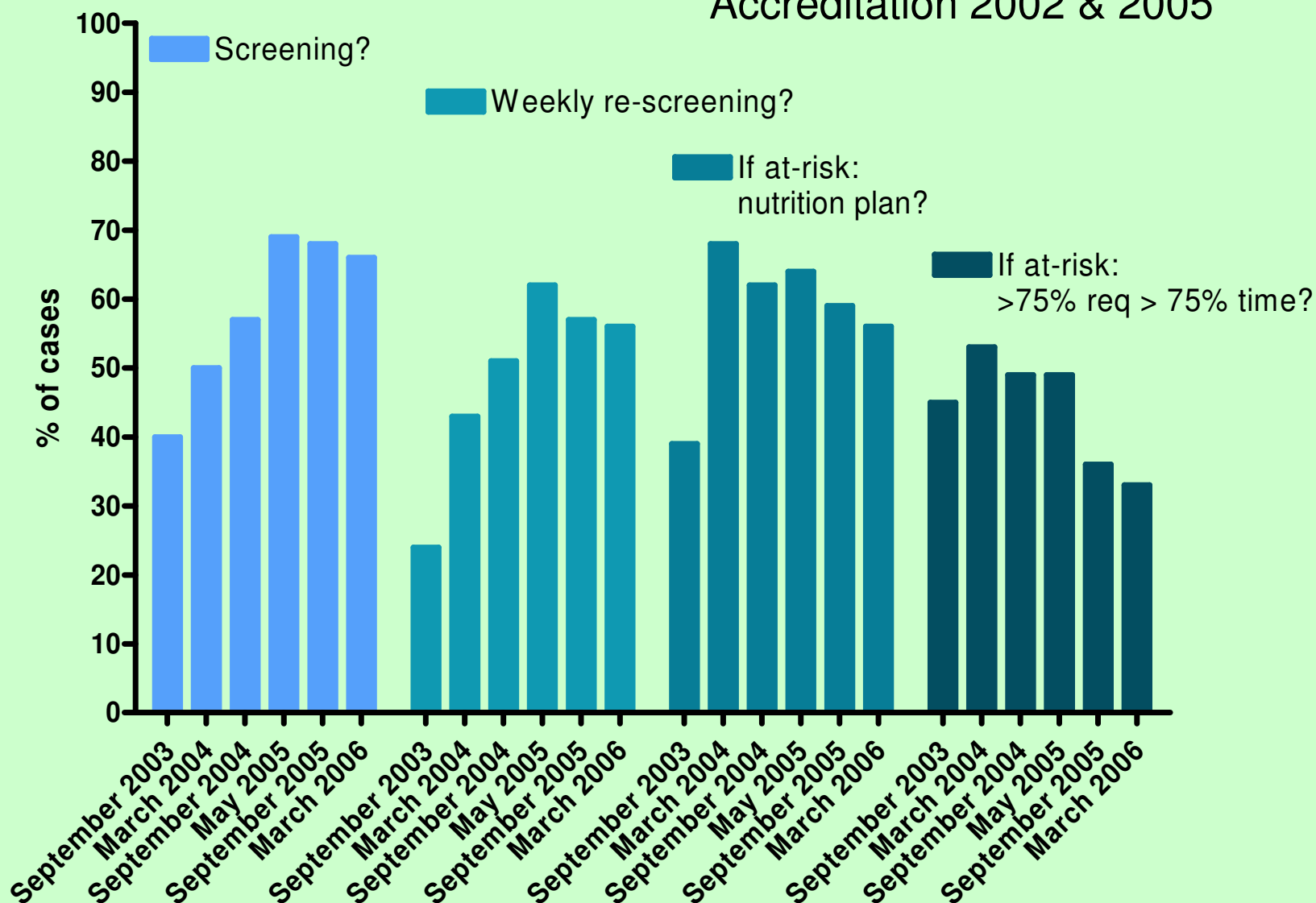
Audit of approx. 1500 records among 4.500 beds in Copenhagen

INTERNATIONAL

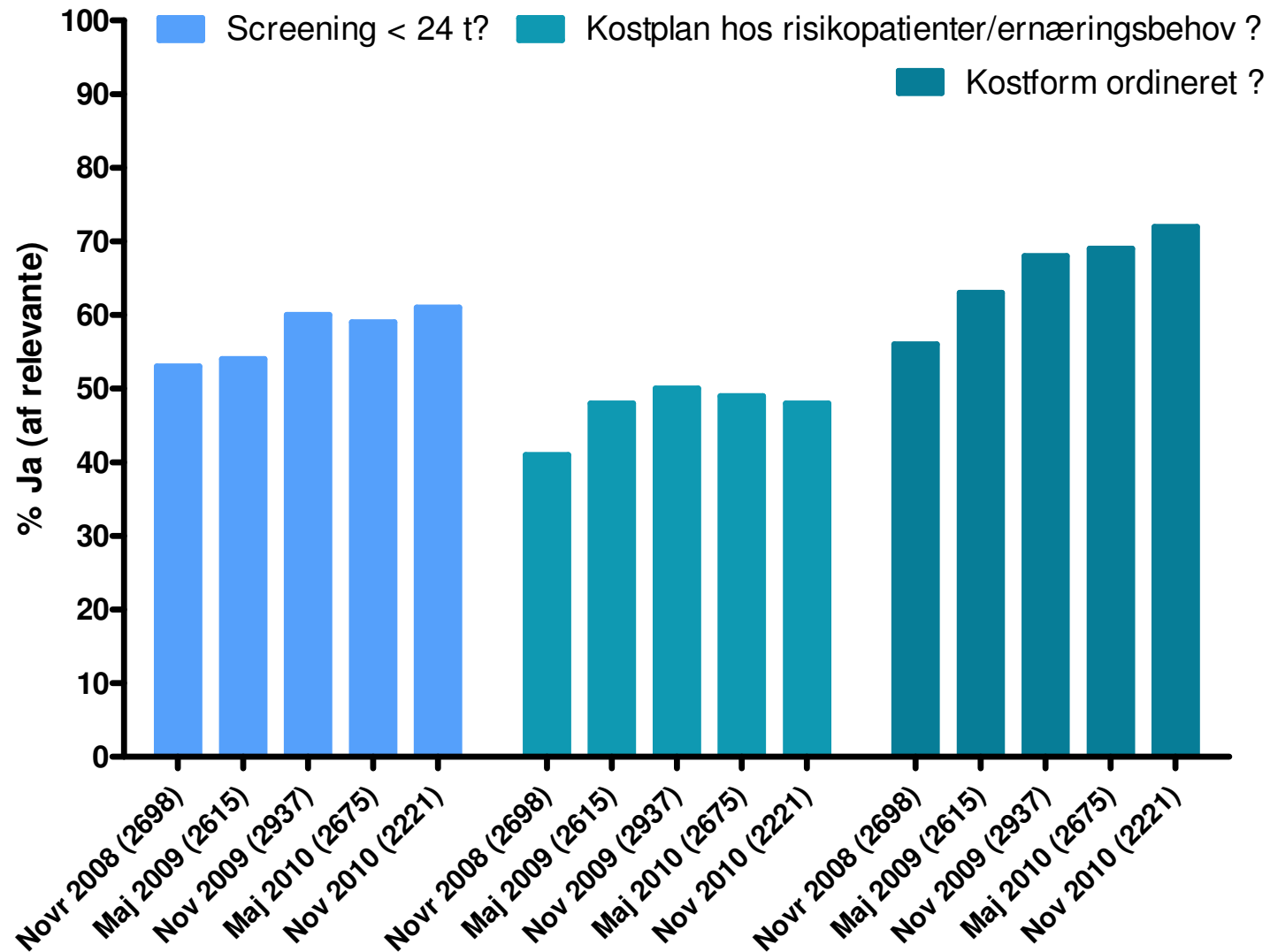


Joint
Commission
International

Accreditation 2002 & 2005



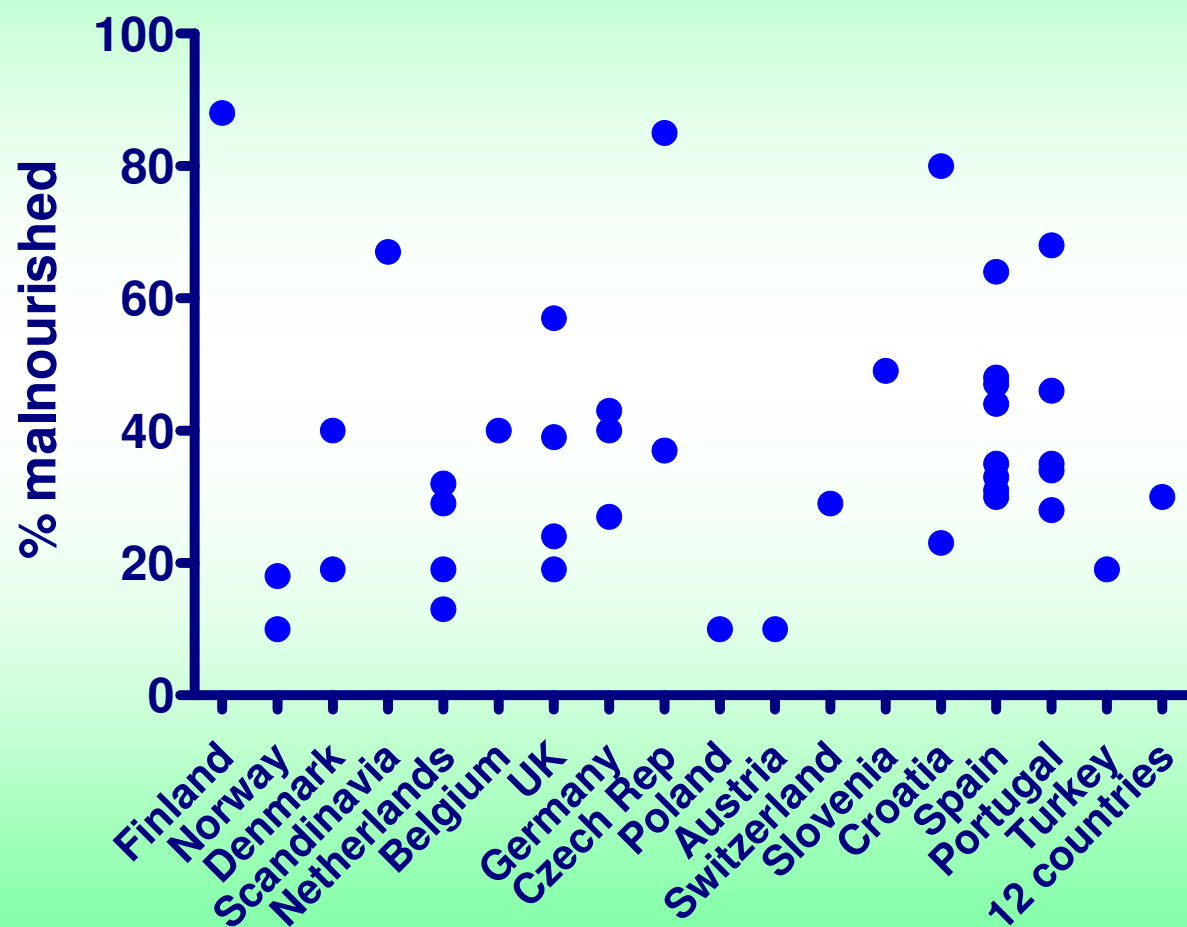
Audit RegionH (N)



Percent of patients malnourished in European Hospitals

21 % (14.341 of 67.094)

Papers and abstracts 2002-2007.



Development of the super diet



Delicatesse limousine

Hot

Not

Fat

Sweet

Salty

Spicy

Sour

Fish

Meat

A chef giving inspiration

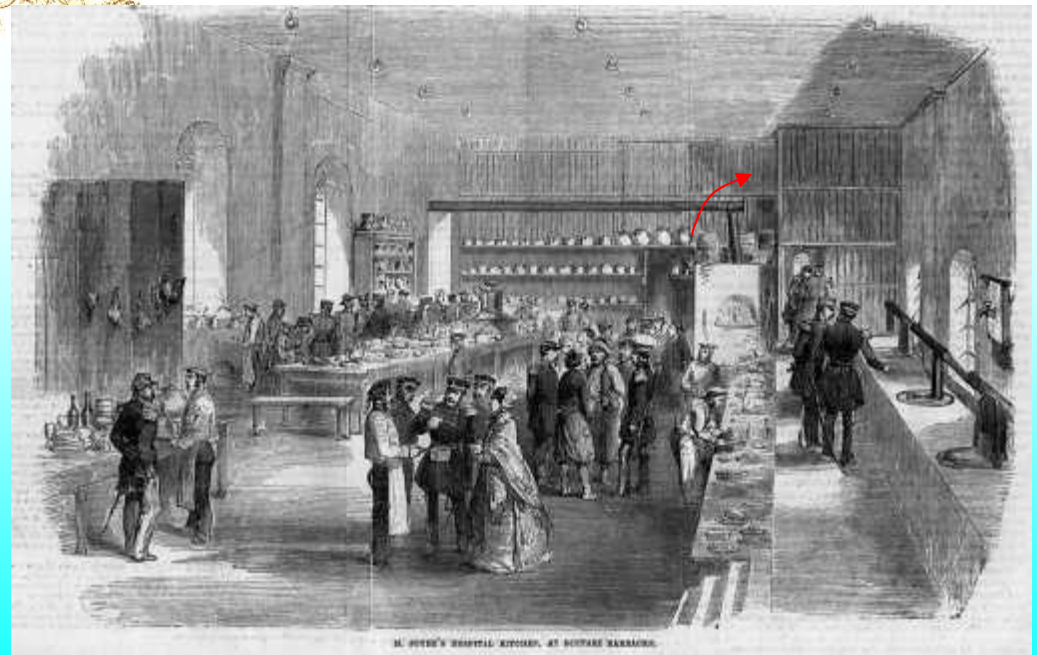
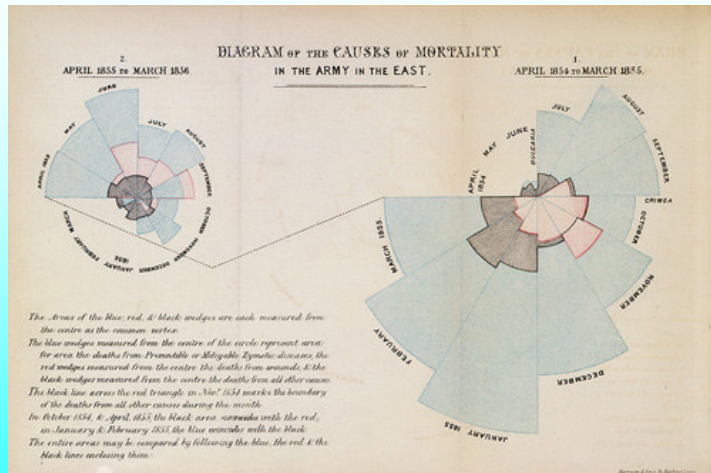


Florence Nightingale: Notes on Nursing 1859

Thousands of patients are starved annually in the midst of plenty, from **want of attention to the ways** which alone make it possible for them to take food



Alexis Soyer





Picasso 1897

Patient cured for cancer:
hospitalized for immobility and dependence



Height 170 cm Weight 47 kg (70% of ref)
Weight gain: 2 kg/4 weeks

Patient with bladder infection

- Pregnant 38th week
- Weight 66 kg
- Height 181 cm
- Pre-pregnancy weight: 65 kg
- Weight loss last 4 weeks: 6 kg
- Child estimated:
2500 g
2400 g 4 weeks before





Picasso 1897

Keys et al. *The biology of human starvation*
University of Minnesota Press, Minneapolis, 1950



FIGURE 151. SUBJECT NOS. 26, 20, 111, AND 101 SUN-BATHING DURING THE
FINAL WEEK OF SEMI-STARVATION. Photographed by *Life* photographer
Wallace Kirkland. Copyright *Time*, Inc.



Fremtiden

- I rykker...
- Dansk EU formandskab 2012
- DSKE: Netværk vedr sygdomsrelateret underernæring
- WHO: the Nutrition Friendly Hospital

Status

- 50% får $\geq 75\%$ (Der er ikke en frø, ikke en fugl, ikke en fisk der har fået det ringere ...)
- Biologien forstået
- DK DKKM (april)
 - ◆ 14 hospitaler er blevet akkrediteret ifølge DDKM.
 - ◆ 12 har fået bemærkninger.
 - ◆ 5 har bemærkninger om ernæringsscreening og/eller ernæringsplan & opfølgning.
- Holland ($\geq 80\%$ på 4. dag), Belgien (øk støtte til sygehuse som kan dokumenter resultater), Eur Parlament, EU, Kina
- Køkkener
- Kandidater KE

Rationalet

- Evidens
 - ◆ Meta
 - ◆ økonomi
- Etik

Drivkræfter

- Politik
 - ◆ Intentioner
 - ◆ DRG, administration etc – hvis det ikke findes i mit regneark findes det ikke
- Kvalitetssikring
- Kultur (behandling af syge er kultur - hvorfor er vi ligeglade med hvad ptt spiser?)
 - ◆ Mad
 - ◆ Omsorg
 - ◆ Narrativt

Fremtiden