



Azienda Ospedaliera
Ospedale Niguarda Ca'Granda

Dipartimento di Scienze Neurologiche
Centro per la Diagnosi e Cura dei Disturbi del Sonno
Centro per la Chirurgia dell'Epilessia e del Parkinson "Claudio Munari"
 Piazza Ospedale Maggiore, 3 – 20162 – Milano – Italy
 Tel: (+39) 02 64442917 – 0264442918 Fax: (+39) 02 64442868
 e-mail: epsur@ospedaleniguarda.it

Milano, li 04.10.2012

Nome: Kruger Giorgio
Data di nascita: 05.03.1945

Polisonnografia
(monitoraggio cardio respiratorio)

Esame eseguito durante trattamento con dispositivo BiPAP ASV a pressione EPAPmin:8cmH2O, EPAPmax:10cmH2O, PSmin:6cmH2O, PSmax:10cmH2O.

Indice Apnea-Ipopnea/ora: 0.3
Indice di Desaturazione/ora: 1.3
SpO2 media: 93.9%
Min SpO2: 89%
Saturazione < 90%: 0%

L'esame documenta la buona risposta al trattamento ventilatorio.

Si raccomanda l'uso continuato del dispositivo e controllo a breve termine. E' stato prenotata una visita in data 12.12.12 ore 15:00 (Pad. DEA 2° piano ala ovest).

Dr Lino Nobili

Ft Andrea Lanza

A.O. NIGUARDA CA'GRANDA
Dr. LINO NOBILI
 Matr. 12056
 C.F. NBL LNI 65B14 C933X

Sleep Report

Ospedale Niguarda "Cà Granda"

Dipartimento di Scienze Neurologiche
Centro per la Diagnosi e la Cura dei Disturbi del Sonno
P.zza Ospedale Maggiore, 3 - 20162 Milano - Italy
Tel. (+39) 02 64442917 - 02 64442918 Fax (+39) 02
64442868

Total Recording Time: 4 hours 53 minutes (293 minutes)
Lights Off Clock Time: 03/10/2012 22.18
Lights On Clock Time: 04/10/2012 3.11

Patient Information

Name:	Kruger, Giorgio	Date of Birth:	05/03/1945
ID:	KrGi.cardio.ft	Age:	67
Address:		Gender:	Male
City:		Height:	1.82 m
Zip Code:		Weight:	92.0 kg
E-Mail:		BMI:	27.8
Phone:	/ 3356046776	Cheyne Stokes Breathing:	No

Sleep Summary

Apnea/Hypopnea

Index Time:	228.4	minutes	
Apnea + Hypopnea (A+H):	1		0.3 / h
Supine A+H:	0		0.0 / h
Non-Supine A+H:	1		1.3 / h

Position

Supine Time:	181.6	minutes	79.5 %
Non-Supine Time:	46.8	minutes	20.5 %
Upright Time:	42.1	minutes	18.4 %
Movement Time:	22.2	minutes	9.7 %

Oxygen Saturation

Average Oxygen Saturation:	93.9	%	
Oxygen Desaturation Events (OD):	5		1.3 / h

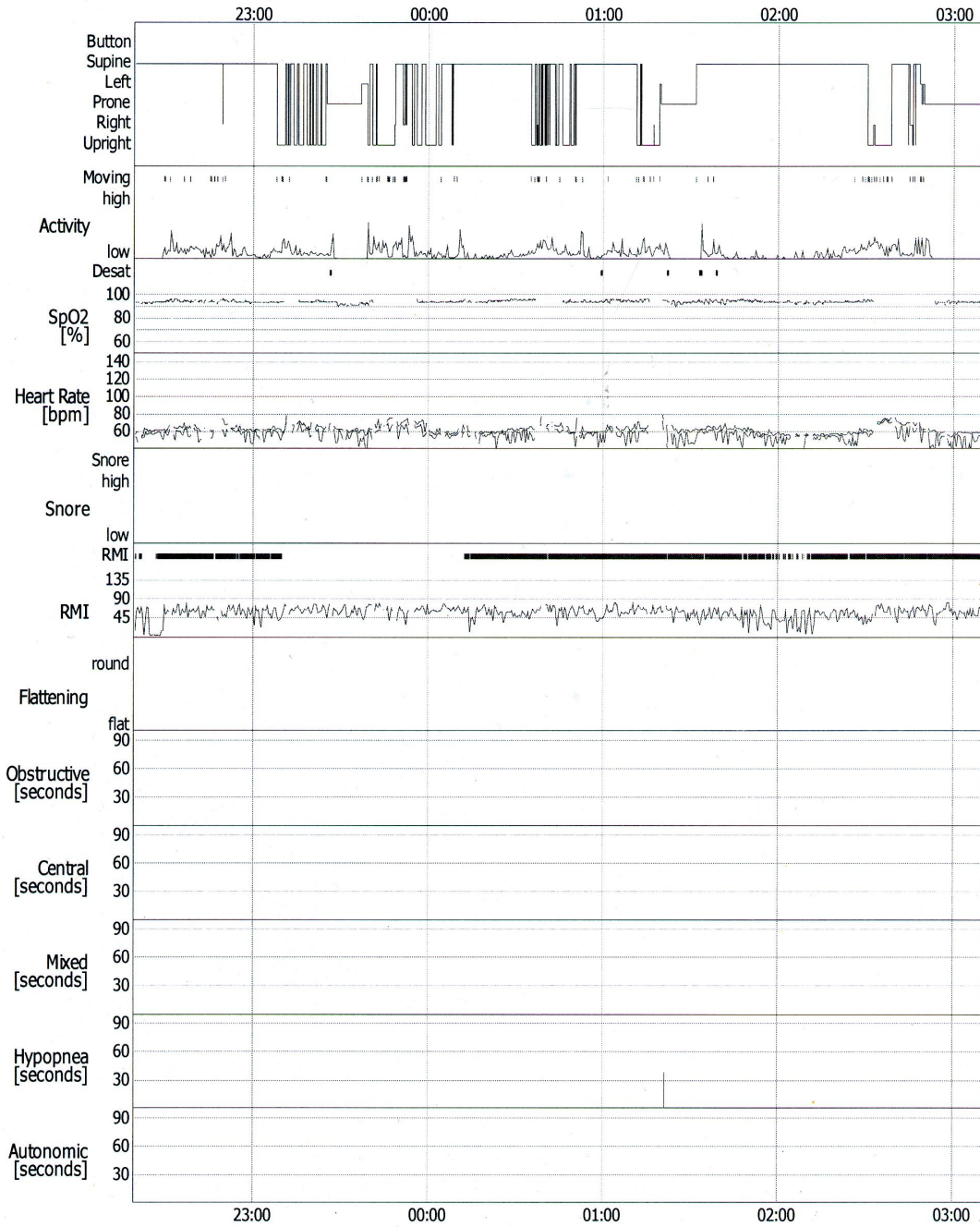
Snoring

Snore Time:	-	minutes	- %
Number of Snoring Episodes:	-		

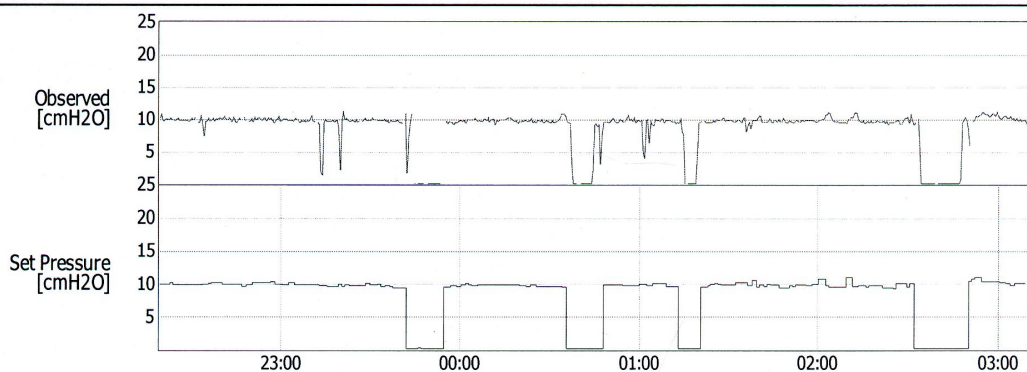
Plethysmogram

Autonomic Arousal	0		0.0 / h
-------------------	---	--	---------

Summary Graph



CPAP Statistics



Median Pressure: 9.9 cmH2O 95% Pressure: 10.7 cmH2O
 Maximum Pressure: 11.2 cmH2O

Apnea/Hypopnea Statistics

Respiration	Number	%	A or H/h	Supine	Non-Supine	Mean [seconds]	Longest [seconds]
Apnea	0	0.0	0.0	0	0	0.0	0.0
Obstructive	0	0.0	0.0	0	0	0.0	0.0
Central	0	0.0	0.0	0	0	0.0	0.0
Mixed	0	0.0	0.0	0	0	0.0	0.0
Hypopnea (All):	1	100.0	0.3	0	1	38.4	38.4
Obstructive	-	-	-	-	-	-	-
Central	-	-	-	-	-	-	-
Mixed	-	-	-	-	-	-	-
Total	1		0.3	0	1	38.4	38.4

Apnea-Desaturation Relation

Desaturation	Apnea	Obstructive	Central	Mixed	Hypopnea	Total
>90%	0	0	0	0	0	0
81-90%	0	0	0	0	1	1
71-80%	0	0	0	0	0	0
61-70%	0	0	0	0	0	0
51-60%	0	0	0	0	0	0
<50%	0	0	0	0	0	0
Total	0	0	0	0	1	1

Breath Statistics

Breath Type	Total	Supine Position	Non-Supine Position
Normal Breath [#]	4373	3662	711
Breath with flow limitation [#]	0	0	0
& no snore [#]	0	0	0
& snore [#]	0	0	0
All Breaths [#]	4373	3662	711
Flow Limitation Index [%]	0.0	0.0	0.0

Data Source: **XFlow**

Position Statistics

Position	Index time [minutes]	Relative [%]	Transitions	A+H/h	Autonomic Arousal/h
Supine	181.6	67.1		0.0	0.0
Left	2.3	0.9		-	-
Prone	43.4	16.0		1.4	0.0
Right	1.1	0.4		-	-
Upright	42.1	15.5		0.0	0.0
Unknown	0.0	0.0		-	-
Total	270.4	100.0	100 (22/h)		0.0

SpO2 Statistics

Mean Oxygen Saturation:	93.9 %	Saturation < 90%:	0 minutes	0.0 %
Lowest Oxygen Saturation:	89.0 %	Saturation < 80%:	-	- %
Average Desaturation:	4.8 %	Saturation < 70%:	-	- %

Range\Position	Supine [minutes]	Cumul. Supine [minutes]	Non-Supine [minutes]	Cumul. Non-Supine [minutes]	Upright [minutes]	Cumul. Upright [minutes]
98-100 %	0.0	147.9	0.0	41.2	0.0	20.3
95-97 %	54.1	147.9	4.3	41.2	3.9	20.3
90-94 %	93.8	93.8	36.8	36.9	16.4	16.4
80-89 %	0.0	0.0	0.1	0.1	0.0	0.0
70-79 %	0.0	0.0	0.0	0.0	0.0	0.0
60-69 %	0.0	0.0	0.0	0.0	0.0	0.0
50-59 %	0.0	0.0	0.0	0.0	0.0	0.0
< 50 %	0.0	0.0	0.0	0.0	0.0	0.0