



شبكة المعلومات الجامعية  
التوثيق الإلكتروني والميكرو فيلم

# بسم الله الرحمن الرحيم



**MONA MAGHRABY**



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# شبكة المعلومات الجامعية التوثيق الإلكتروني والميكرو فيلم



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# جامعة عين شمس

## التوثيق الإلكتروني والميكروفيلم

### قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها  
علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات



### يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



**MONA MAGHRABY**

# **Systemic hypertension in pediatric hemodialysis patients; assessment and control**

**THESIS FOR PARTIAL FULFILLMENT OF MD DEGREE  
IN PEDIATRICS**

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## بسم الله الرحمن الرحيم

قُلْ إِنِّي هَدَانِي رَبِّي إِلَى صِرَاطٍ مُسْتَقِيمٍ دِينًا قَيِّمًا مِلَّةَ إِبْرَاهِيمَ حَنِيفًا  
وَمَا كَانَ مِنَ الْمُشْرِكِينَ (١٦١) قُلْ إِنَّ صَلَاتِي وَنُسُكِي وَمَحْيَايَ  
وَمَمَاتِي لِلَّهِ رَبِّ الْعَالَمِينَ (١٦٢) لَا شَرِيكَ لَهُ وَبِذَلِكَ أُمِرْتُ وَأَنَا  
أَوَّلُ الْمُسْلِمِينَ (١٦٣)

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## *List of Abbreviations*

| Abb.                | Full term  |
|---------------------|--|
| CKD                 | chronic kidney disease                               |
| HTN                 | Hypertension   |
| ESRD                | End stage renal disease                              |
| NO                  | Nitric oxide   |
| HD                  | Hemodialysis   |
| IDWG                | Inter-dialytic weight gain                           |
| BP                  | Blood pressure                                       |
| TAC <sup>(Na)</sup> | Time-averaged concentration of dialysate sodium      |
| BIA                 | Bioelectrical impedance analysis                     |
| ABPM                | Ambulatory blood pressure monitor                    |
| KDIGO               | Kidney Disease: Improving Global Outcomes            |
| GFR                 | Glomerular filtration rate                           |
| CAKUT               | Congenital anomalies of the kidney and urinary tract |
| GH                  | Growth hormone                                       |
| IGF-I               | Insulin-like growth factor-I                         |
| RhGH                | Recombinant human growth hormone                     |
| CKD-MBD             | Chronic kidney disease–mineral and bone disorder     |
| PTH                 | Parathyroid hormone                                  |
| LVH                 | Left ventricular hypertrophy                         |
| RhEPO               | Recombinant human erythropoietin                     |
| CVD                 | Cardiovascular disease                               |
| SBP                 | Systolic blood pressure                              |

|         |   |
|---------|---|
| DBP     | Diastolic blood pressure  |
| NAPRTCS | North American Pediatric Renal Trials and Collaborative Studies |
| RAAS    | Renin angiotensin aldosterone system                            |
| eGFR    | Estimated glomerular filtration rate                            |

## *List of Abbreviations (Cont...)*

| Abb.  | Full term                                  |
|-------|--|
| ESKD  | End-stage kidney disease                   |
| PD    | Peritoneal dialysis                        |
| HDF   | Hemodiafiltration                          |
| BIS   | Bioimpedance spectroscopy                  |
| KDOQI | Kidney Dialysis Outcome Quality Initiative |
| FMD   | Flow-Mediated Dilation                     |
| eNOS  | Endothelial nitric oxide synthase          |
| LVMI  | Left Ventricular Myocardial Infarction     |
| ACE   | Angiotensin Converting enzyme              |
| ACEI  | Angiotensin-converting enzyme inhibitor    |
| UF    | Ultrafiltration                            |
| ECF   | Extra Cellular Fluid                       |
| SD    | Standard Deviation                         |

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