

Preeklampside P Dalga Dispersiyonu

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Genel Bilgiler Ve Amac

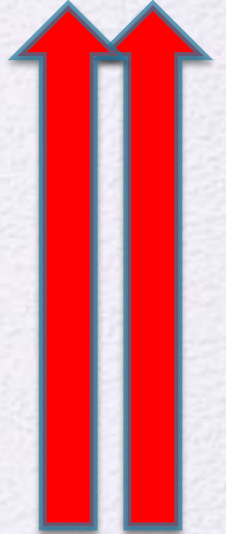
Normal gebelik

- Koagulabilite
- Inflamatuvar aktivitede
- Insulin rezistansi
- Oxidative stress
- Hiperlipidemi



Preeklampsi

- Hipertansiyon
- insulin rezistansi
- inflamatuvar aktivite
- Oxidative stress
- Endotelyal disfonksiyon



Mekanizma??

- Gebelik oncesi mevcut KVS?
 - Ortak risk faktorleri?
 - Kalici vaskuler hasar?
-
- “Kardiyovaskuler Challenge Test”





Effectiveness-Based Guidelines for the Prevention of Cardiovascular Disease in Women— 2011 Update: A Guideline From the American Heart Association

At risk (≥ 1 major
risk factor[s])

Cigarette smoking

SBP ≥ 120 mm Hg, DBP ≥ 80 mm Hg, or treated
hypertension

Total cholesterol ≥ 200 mg/dL, HDL-C < 50
mg/dL, or treated for dyslipidemia

Obesity, particularly central adiposity

Poor diet

Physical inactivity

Family history of premature CVD occurring in
first-degree relatives in men < 55 y of age or
in women < 65 y of age

Metabolic syndrome

Evidence of advanced subclinical atherosclerosis
(eg, coronary calcification, carotid plaque, or
thickened IMT)

Poor exercise capacity on treadmill test and/or
abnormal heart rate recovery after stopping
exercise

Systemic autoimmune collagen-vascular disease
(eg, lupus or rheumatoid arthritis)

History of preeclampsia, gestational diabetes, or
pregnancy-induced hypertension

Gorulme Riski Artan KVS Hastaliklar

- Kronik HT
- Stroke
- Iskemik Kalp Hastalıkları
- Periferal Arter Hastalıkları
- **Aritmi**

Heart. 2012 August ; 98(15): 1109-1111. doi:10.1136/heartjnl-2012-302076.

Preeclampsia and maternal placental syndromes: An indicator of a predisposition or cause of long-term cardiovascular disease?

Dawn C. Scantlebury, MBBS^{*}, Sharonne N. Hayes, MD^{*}, and Vesna D. Garovic, MD^{**}

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Heart. 2012 Aug;98(15):1136-41. doi: 10.1136/heartjnl-2011-301548. Epub 2012 May 16.

Heart failure and dysrhythmias after maternal placental syndromes: HAD MPS Study.

Ray JG¹, Schull MJ, Kingdom JC, Vermeulen MJ.

Conclusions Women with MPS are at higher risk of premature HF and dysrhythmias, especially when perinatal morbidity is present.

Aritmi

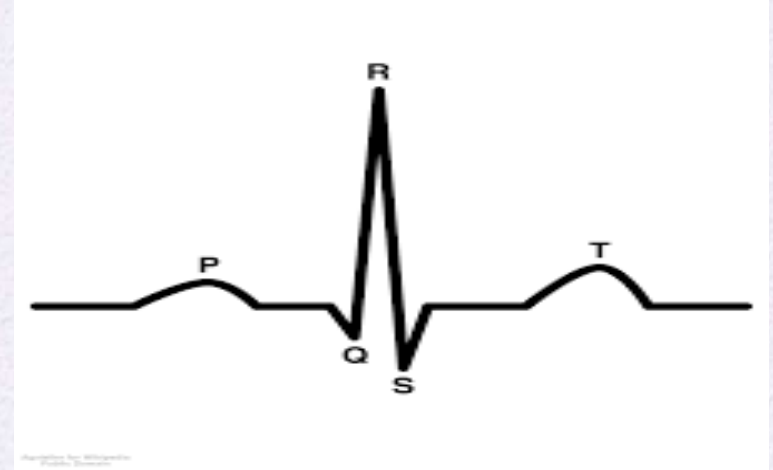
- Gebelik ve carpinti?
- Atrial fibrillation (AF): En sik aritmi
- Atrial myokardiyumun yapisal ve elektrofizyolojik anormallikleri... iskemi, sistemik inflamasyon, artmis oksidative stress ve artmis sempatik aktivite... atrial reentry

P dalga dispersiyonu (Pd)

Intra atrial elektromekanik gecikme ve sinus impulslarının non-homojen yayılımı fibrilasyona meyilli atriumlar için karakteristik bir elektrofizyolojik özellik

$$Pd = P_{max} - P_{min}$$

Bozulmuş ileti



P dalga: Atrial depolarizasyon

Interatriyal ileti

Materyal Metod

Subat ve Haziran 2014
58 Preeklampitik gebe
(28 hafif, 30 agir)

30 saglikli gebe

Transtorasik EKO

EKG: 12 standart EKG
derivasyonu, 25 mm/s
kağıt hızı



Materyal Metod

- Dislama kriterleri
- Cogul Gebelikler
- Bilinen ek hastalik (KVS, endokrinolojik, psikiyatrik, anemi...)
- Sigara ve alkol
- BMI>30
- Onceki gebeliginde PE veya GDM oykusu olanlar
- EKO (yapisal kalp hastaligi, MVP)

Sonuclar

	Normal	Hafif PE	Agir PE
Yas	27.2±4.8	28.2±5.5	28.5±5.6
BMI	29.2±2.4	30.3±4.1	28.4±3.8
Gravida	1.7±0.9	2.2±1.1	1.8±1
Kalp Hizi	79.6±5.5	80.8±7.3	82±5.7
Systolic BP(mmHg)	110.6±8.2^{bc}	142.5± 8.6^{ac}	160.6±14.0^{ab}
Diastolic BP(mm Hg)	72.5± 7.4^{bc}	88.4±8.2^{ac}	103.1±8.6^{ab}

Sonuclar

Parametre	Kontrol Grup	Hafif preeklampsi	Severe Preeklampsi	P value
Sayi	30	28	30	
Pmax (msec)	96.7±21.5	99.9 ± 8.2	97.7±13.3	0.719
Pmin (msec)	53.8±14.4^{bc}	38.9±10.7^a	36.5±12.3^a	<0.001
Pd (msec)	42.1±17^{bc}	58.0±10.8^{ac}	60.3±17.7^{ab}	<0.001

Tartisma

- Bu calismada PD'nun preeklampside arttigi gosterilmistir
- Preeklampsi uzun donemde ARITMI dahil cok sayida KVS hastaligi icin risk teskil eder

Gebelikte HT oykusu

- Yuksek riskli kadinlari tespit edebilmek icin bir sans
- Gebelik sonrasi tarama ve danismanlik, modifiye edilebilen risk faktorleri
- Preeklampsili gebelerde uzamis PD'nun prognostik oneminin anlasilabilmesi icin uzun donemli prospektif calismalara ihtiyac vardir

Dinlediğiniz için
tesekkür ederim