**Tips:**

**Administration:** Minimum and maximal dosage, mode of administration, etc.

**List of abbreviations:**
- Gluten-/Lactose-free
- In children contraindicated
- Pregnancy/Breast feeding: contraindicated
- Breakable tablet → Tablet can be divided in equal doses.

**Panto-Denk (pantoprazole)**

- **Name of the product:** Panto-Denk
- **Name of the drug:** pantoprazole
- **Dosage & type:** 20/40 mg grt.
- **Pack size:** 28 p.
- **Blister pack:** Al/Al blister
- **Shelf life:** 3 yrs.

**Price:** On the line you can mark the price of our product and competitive products

**Key benefits:**
- .....

**Important:** Here is some place left for your personal notes

- .....
- .....
- .....
- .....
- .....

**Contraindicated in persons with (severe) renal insufficiency**

**Contraindicated in persons with (severe) hepatic insufficiency**

**yr = years**
- cap = capsule; tab = tablet
- gran = granules; supp = suppository
- inf = infusion; inj = injection
- grt = gastro-resistant tablet
- fct = film-coated tablet
- ert = extended-release tablet
- ODT = orodispersible tablet
- eff tab = effervescent tablet; vag. tab = vaginal tab

**Panto-Denk**

**Important:** Here is some place left for your personal notes

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- .....

**On the line you can mark the price of our product and competitive products**

0
**Deslora-Denk (desloratadine)**

- **5 mg fct 10 p. PVC/Aclar/Al blister 2 yrs.**

### Indications:
- Improvement of symptoms in:
  - Allergic rhinitis.
  - Urticaria.

### Visit recommendations:
- General practitioner
- Allergist
- Otolaryngologist
- Dermatologist

### Compl. treatment:
- Calcium active Denk
- Nasal spray, eye drops for management of symptoms

### Administration:
- 1x
- Food independent

### Tips:
- Stay indoors on bad pollen days.
- Take a shower before bed

### Key benefits:
- Third generation anti-allergic drug with potent allergy relief without drowsiness.
- Good compliance: once daily, may be taken at any time of the day.
- Long-lasting effect (27 hours).
- Low rate of adverse drug reactions due to its high selectivity.
- Very low rate of drug interactions.
- Symptomatic relief in allergic rhinitis and urticaria.

### Important:
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- ____________________________
- ____________________________
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- ____________________________

For further information please see SPC.

12/2015
**Amether Denk**

**β-artermether**

- **40 mg** SuppoCaps
- **6 p.** PVC/PVDC/Al blister
- **2 yrs.**

**Indications:**
- Curative treatment of malaria in children and babies, caused by all forms of *Plasmodium* including multiple drug resistant strains of *P. falciparum*.
- Emergency treatment: can be administered by mothers to their children, in case medical help should be unavailable.

**Visit recommendations:**
- General practitioner
- Clinicians
- Paediatricians

**Compl. treatment:**
- Paracetamol Denk (pain and fever treatment; WHO recommended)

**Key benefits:**
- Easy administration - especially in case of vomiting or diminished consciousness.
- The artemisin derivative artemether is the fastest acting schizonticide → Fast acting for rapid clearance of parasites, which is essential in severe malaria.
- Specially designed for children and babies → Emergency treatment of acute malaria – can be easily administered by mothers to their children.
- Very good compliance – once daily.

**Important:**
- Use netting for baby cot and the family beds
- Apply mosquito repellents

**Price:**

For further information please see SPC.

12/2015
ASAQ-Denk (artesunate&amodiaquine) 100&270 mg tab 2x3 p. Al/Al blister 2 yrs.

Antimalaria therapy

Children ≥ 1 year

Indication:
- Treatment of uncomplicated malaria attacks due to *P. falciparum* strains, which are susceptible to the product.

Visit recommendations:
- General practitioner
- Clinicians
- Paediatricians

Compl. treatment:
- Paracetamol Denk (pain and fever treatment; WHO recommended)

Administration:

Food independent

Tips:
- Use netting for baby cot and the family beds
- Apply mosquito repellents

Key benefits:
- Unique bilayer tablet includes 2 active ingredients in just one tablet.
- Less risk of drug resistance due to combination of two effective antimalarial drugs.
- Better malaria control: Artesunate reduces gametocyte carriage and therefore transmissibility of malaria.
- Very good compliance (orally, once daily, 3 days in a row).
- Tablets may be broken in half or crushed for convenience when necessary.

Important:
- ________________________________________________________________________________________
- ________________________________________________________________________________________
- ________________________________________________________________________________________
- ________________________________________________________________________________________
- ________________________________________________________________________________________

Price: 0

For further information please see SPC.

12/2015
### Indication:
- Treatment of malaria, caused by all forms of *Plasmodium*, including multiple drug resistant strains of *P. falciparum*.
- In case of *P. vivax* addition of primaquine may be required.

### Visit recommendations:
- General practitioner
- Clinicians
- Paediatricians

### Compl. treatment:
- Paracetamol Denk (pain and fever treatment; WHO recommended)

### Key benefits:
- One tablet - fixed dose: Effective combination of three different active substances against malaria parasites.
- Shorter duration of treatment: 3 tablets – 3 days.
- Less risk of drug resistance.
- Protection against humidity (Aluminium/ Aluminium blister foil).
- All tablets may be broken in half or crushed for convenience when necessary.

### Important:
- Use netting for baby cot/ bed and family beds
- Apply mosquito repellents

### Administration:
- 1x Food independent

### Tips:
- Use netting for baby cot/ bed and family beds
- Apply mosquito repellents

For further information please see SPC.
Ingredients and indication:

Asunate Denk 200 Plus
- Artesunate 200 mg,
- sulfamethoxypyrazine 500 mg,
- pyrimethamine 25 mg.

Asunate Denk 100 Plus „Junior“
- Artesunate 100 mg,
- sulfamethoxypyrazine 250 mg,
- pyrimethamine 12.5 mg.

Asunate Denk 200 & 100 Plus „Junior“
- Curative treatment of malaria, caused by all forms of Plasmodium, including multiple drug resistant strains of P. falciparum.

Visit recommendations:
- General practitioner
- Clinicians
- Paediatricians

Compl. treatment:
- Paracetamol Denk (pain and fever treatment; WHO recommended)

Key benefits:
- Guideline (WHO 2015) recommended.
- AsunateDenk 100 Junior: Specially designed for children!
- All tablets may be broken or crushed for convenience when necessary and it is easier to adjust dose by age group and for body weight.
- Better malaria control: Artesunate reduces gametocyte carriage and therefore transmissibility of malaria.

Important:
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- __________________________________________________________________________________________
- __________________________________________________________________________________________

Administration:
- 1x Food independent

Tips:
- Use netting for baby cot/bed and family beds
- Apply mosquito repellents

Price:
For further information please see SPC.

12/2015
### Anastrozole Denk (anastrozole)

**1 mg**  
**fct 30 p.**  
**PVC/Al blister 3 yrs.**

#### Oncology medication

**Non-steroidal aromatase inhibitor**

<table>
<thead>
<tr>
<th>Postmenopausal women ≥ 18 yrs</th>
<th>Indications:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Treatment of hormone receptor-positive advanced breast cancer in postmenopausal women.</td>
</tr>
<tr>
<td></td>
<td>• Adjuvant treatment of hormone receptor-positive early invasive breast cancer in postmenopausal women.</td>
</tr>
<tr>
<td></td>
<td>• Adjuvant treatment of hormone receptor-positive early invasive breast cancer in postmenopausal women who have received 2 to 3 years of adjuvant tamoxifen.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Visit recommendations:</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Clinicians</td>
</tr>
<tr>
<td>• Oncologist</td>
</tr>
<tr>
<td>• Internist</td>
</tr>
<tr>
<td>• Gynaecologist</td>
</tr>
<tr>
<td>• Hospital pharmacist</td>
</tr>
<tr>
<td>• Retail pharmacist</td>
</tr>
</tbody>
</table>

#### Administration:

- Food independent

#### Tips:

- Relaxation techniques
- Participation in a support group

#### Key benefits:

- Good compliance (once daily, at any time of the day, food independent).
- Superior to tamoxifen.
- Prolongates disease free survival.
- Guideline recommended (NCCN = national comprehensive cancer network; Clinical Practice Guideline in Oncology, 2013).
- Additional pharmaceutical drug safety (due to the imprint “A 1”).

#### Important:

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- _______________________________________________________________________________________

#### Price:

0

For further information please see SPC.  
12/2015
**Grani-Denk (granisetron)**  
1 mg/ml; 3 mg/3 ml i.v. 5x1 ml/3 ml glass ampoules 3 yrs.

**Oncology medication (Antiemetic)**  
(Serotonin 5 HT3 receptor antagonist)

<table>
<thead>
<tr>
<th>Adults</th>
<th>Children ≥ 2 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indications:</td>
<td></td>
</tr>
<tr>
<td>• In adults for the prevention and treatment of:</td>
<td></td>
</tr>
<tr>
<td>- acute and delayed nausea and vomiting associated with chemotherapy and radiotherapy.</td>
<td></td>
</tr>
<tr>
<td>- post-operative nausea and vomiting.</td>
<td></td>
</tr>
<tr>
<td>• In children ≥ 2 years for the prevention and treatment of acute nausea and vomiting associated with chemotherapy.</td>
<td></td>
</tr>
</tbody>
</table>

**Visit recommendations:**

<table>
<thead>
<tr>
<th>Clinicians</th>
<th>Radiologist</th>
<th>Oncologist</th>
<th>Surgeons/Anaesthesist</th>
<th>Paediatrician</th>
</tr>
</thead>
</table>

**Administration:**

Intravenous use (i.v.) administered by professionals

**Tips:**

- Relaxation techniques
- Avoid unpleasant smells

---

**Grani-Denk**

**Key benefits:**

- American Society of Clinical Oncology (ASCO) guideline recommended 5-HT$_3$R antagonist.
- Safe and effective in elderly and children (≥ 2 years).
- No dose reduction required when administered to patients with impaired renal or hepatic function and elderly.
- Benzyl alcohol free solution - suitable even for babies! (off label)
- Low incidence of drug interactions.

**Important:**

- __________________________
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**Price:**

For further information please see SPC.

12/2015
# Imatinib Denk

**Imatinib (imatinib)**

100 mg  
fct  
30 p.  
PVC/PE/PVDC/Al blister  
4 yrs.

## Oncology medication
(Tyrosine kinase inhibitor)

### Adults /children/ Adolescents

- **Indications:**
  - Philadelphia chromosome positive chronic myeloid leukaemia (Ph+CML).
  - Adults: blast crisis; children: all stages.
  - Philadelphia chromosome positive acute lymphoblastic leukaemia (Ph+ ALL).

- **Only for adults:**
  - Myelodysplastic/myeloproliferative diseases.
  - Hypereosinophilic syndrome and/or chronic eosinophilic leukaemia.
  - Gastrointestinal stromal tumours
  - Dermatofibrosarcoma protuberans (DFS).

### Visit recommendations:
- Clinicians
- Oncologist
- Internist
- Gastroenterologist
- Dermatologist
- Hospital pharmacist
- Retail pharmacist

### Administration:
- Food dependent

### Tips:
- Relaxation techniques
- Participation in a support group

## Key benefits:
- Increases the 5-year survival rate of patients with CML from 30 % to 89 %.
- Guideline recommended: 1st line treatment for CML.
- Easy to take (orally, once daily with a meal and a large glass of water).
- May be dispersed in fluid if patient has swallowing problems.
- Long term record of safety and effectiveness.
- Unique imprinted tablet ("IM and 100") - forgery proof and distinctive for improved drug and patient safety.

## Important:
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- ____________________________________________________________________
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- ____________________________________________________________________
- ____________________________________________________________________

For further information please see SPC.

12/2015
**Postmenopausal women ≥ 18 yrs**

**Indications:**
- Adjuvant and extended adjuvant treatment of hormone receptor positive early invasive breast cancer.
- First-line treatment of hormone-dependent advanced breast cancer.
- Advanced breast cancer after relapse or disease progression (after prior anti-estrogen therapy).
- Neo-adjuvant treatment of hormone receptor positive, HER-2 negative breast cancer where chemotherapy is not suitable and immediate surgery not indicated.

**Visit recommendations:**
- Oncologist
- Gynaecologist
- Clinicians
- General practitioner
- Hospital pharmacist
- Retail pharmacist

**Oncology medication**
(Non-steroidal aromatase inhibitor)

**Food independent**

**Tips:**
- Relaxation techniques
- Participation in a support group

**Key benefits:**
- Highly potent and selective with proven efficacy.
- Good compliance (once daily, orally, absorption is not affected by food).
- Superior to tamoxifen in adjuvant treatment.
- No suppression of corticosteroids → no replacement therapy necessary.
- Guideline recommended (ASCO Guideline, 2014).
- Prolongues disease free survival.

**Important:**
- ____________________________________________________
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- ____________________________________________________

**Price:**

For further information please see SPC.

**Letrozole Denk (letrozole) 2.5 mg fct 30 p. PVC/PVDC/Al blister 3 yrs.**

For 12/2015
# On.setron-Denk (ondansetron)

**4 mg/8 mg ODT 6 p. Al/Al blister 3 yrs.**

<table>
<thead>
<tr>
<th>Adults</th>
<th>Children ≥ 6 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indications:</td>
<td></td>
</tr>
<tr>
<td>- Treatment of nausea, retching and vomiting in therapy with cytotoxic agents and radiation therapy (4 + 8 mg).</td>
<td></td>
</tr>
<tr>
<td>- Prevention of nausea, retching and vomiting after surgery (8 mg).</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Visit recommendations:</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Oncologist</td>
</tr>
<tr>
<td>- Clinicians</td>
</tr>
<tr>
<td>- Radiologist</td>
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<tr>
<td>- Physicians</td>
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<tr>
<td>- Surgeon</td>
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<tr>
<td>- Anaesthesit</td>
</tr>
<tr>
<td>- Paediatrist</td>
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</tbody>
</table>

### Administration:

- 8 mg
- 8 mg
- Up to 5 days

<table>
<thead>
<tr>
<th>Tips:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relaxation techniques</td>
</tr>
<tr>
<td>Avoid unpleasant smells</td>
</tr>
</tbody>
</table>

### Key benefits:

- Guideline (American Society of Clinical Oncology) listed 5-HT₃R antagonists.
- Rapidly disintegrating oral tablets.
- Safe and effective in elderly and children.
- No dose reduction required when administered to patients with impaired renal function and elderly.
- Pregnancy – no increased fetal risk.
- Better adherence to chemo-/radio-therapy due to enabling avoidance of side effects.

### Important:

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- ____________________________________________________________________________________
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- ____________________________________________________________________________________

### Price:

For further information please see SPC.

12/2015
**Zoledro-Denk**

**4 mg/5 ml concentrate for solution for inf vial 3 yrs.**

**Oncology and osteoporosis medication (Bisphosphonate)**

**Indications:**
- Prevention of skeletal related events in adult patients with advanced malignancies involving bone.
- Treatment of adult patients with tumor-induced hypercalcemia (TIH).
- Treatment of osteoporosis in post-menopausal women and men:
  - At increased risk of fracture, including recent low-trauma hip fracture.
  - Associated with long-term systemic glucocorticoid.
- Paget's disease of the bone in adults.

**Visit recommendations:**
- Oncologist
- Clinicians
- Orthopaedist
- Gynaecologist
- General practitioner

**Compl. treatment:**
- CalciD-Denk (adequate calcium and vitamin D intake)

**Key benefits:**
- Once-a-month, once a year or unique application → good compliance! Only ca. 15 min administration time!
- Prevention of skeletal-related events (one of two bisphosphonates currently approved by the FDA).
- Improvement of the quality of life!
- Various anti-tumor properties.
- Prevents the patient from fallings and fractures (and secondary damages).

**Important:**
- __________________________
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- __________________________
- __________________________

**Tips:**
- Drink enough water before and after each treatment to help prevent dehydration
- Weight-bearing exercises
- Stay within your daily calories need!

**Price:**

For further information please see SPC.

12/2015
**Panto-Denk (pantoprazole)**  
20/40 mg  grt  28 p.  Al/Al blister  3 yrs.

**Gastrointestinal therapeutics**  
(Proton pump inhibitor PPI)

### Adults / children ≥ 12 yrs

#### Indications:
- 20 mg:
  - Mild reflux disease.
  - GERD (gastroesophageal reflux disease).
  - Long-term therapy and prevention of relapse in reflux esophagitis.
  - Prevention of gastro-duodenal ulcers.
- 40 mg:
  - Duodenal ulcer.
  - Gastric ulcer.
  - Reflux esophagitis (moderate/severe).
  - Zollinger-Ellison syndrome.
  - Eradication of *Helicobacter pylori*.

#### Visit recommendations:
- General practitioner
- Clinicians
- Gastroenterologist
- Internist
- Gynaecologist
- Hospital pharmacist

### Administration:
- Food independent

### Tips:
- Avoid alcohol, reduce coffee
- Avoid too hot food
- Avoid too spicy food
- Don’t smoke

### Key benefits:
- Safe and effective in long-term therapy, elderly and children.
- Low incidence of drug interactions (vs omeprazole/esomeprazole); e.g. concomitant use with clopidogrel – FDA recommended.
- High healing rates and successful relief of symptoms.
- Complementary treatment:
  - In case of long-term treatment with NSAIDs or antiplatelet agents (e.g. clopidogrel), Panto-Denk is recommended.
  - Long-term treatment with Panto-Denk → complementary with magnesium/Vitamin B12/calcium + Vitamin D (e.g. magnes direct + magnes active/Vitamin B12/CalciD-Denk + Calcium active).

### Important:
- ____________________________
- ____________________________
- ____________________________

For further information please see SPC.

12/2015
Rani-Denk (ranitidine) 150 mg fct 20 p. Al/Al blister 3 yrs.

Gastrointestinal therapeutics (Histamine H2-receptor antagonist)

Indications:
- Treatment and prevention of duodenal or benign gastric ulcer, and prophylaxis of recurrent DU or BGU.
- The treatment of reflux oesophagitis and associated symptoms, “GERD” (gastroesophageal reflux disease).
- Treatment of Zollinger-Ellison Syndrome.
- Continuing treatment of prophylaxis of mucosal gastric or duodenal haemorrhage in seriously ill patients.
- During labour to prevent gastric acid aspiration.

Visit recommendations:
- Gastroenterologist
- Internist
- General practitioner
- Clinicians

Administration:
Food independent

Tips:
Avoid alcohol, reduce coffee
Avoid too hot food
Avoid too spicy food
Don’t smoke

Key benefits:
- 8 - 10 hours duration of action.
- Can be given to children from the age of 2 and older.
- Good compliance due to a good tolerance.
- An effective and economic co-medication for clopidogrel, ASA (Aspirin) or non-selective non-steroidal anti-inflammatory drugs (NSAIDs) for the prevention of bleedings particularly in long-term use.

Important:
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- __________________________________________________________________________________________

Price: 0

For further information please see SPC.
12/2015
Denkalgin pain relief

**Indications:**
For acute light to moderate pain (e.g. migraine, toothache, headache, period pain, fever, back pain, flu-like symptoms) in adults and adolescents over the age of 12 years.

**Visit recommendations:**
- General practitioner
- Clinicians
- Dentist
- Internist
- Pain therapist
- Rheumatologist
- Retail pharmacist
- Hospital pharmacist

**Adminstration:**
1-2 tab three times daily
Max 6 tab

Food independent
Keep a pain diary
Relaxation techniques
Cool or warm the injured area

**Key benefits:**
- More rapid onset of action - via caffeine adjunct.
- Stronger effects – caffeine increases analgesic effects up to 40%.
- Lower dosage – caffeine reduces the relative analgesic portions.
- Reduction of adverse effects – lower analgesic dosage.
- Broad spectrum of activity – combination of synergistic effects!

**Important:**
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**Price:**
For further information please see SPC.

12/2015
Diclo-Denk 100 (diclofenac) 100 mg

**Indications:**
Symptomatic treatment of pain and inflammation in case of:
- Acute arthritides.
- Chronic arthritides, especially rheumatoid arthritis.
- Ankylosing spondylitis (Bechterew’s disease) and other inflammatory rheumatoid disorders of the spine.
- Acute inflammatory condition of arthroses and spondylarthroses.
- Inflammatory soft tissue rheumatisms.
- Painful swelling or inflammation after injuries.

**Visit recommendations:**
- General practitioner
- Clinicians
- Internist
- Orthopaedist
- Pain therapist
- Rheumatologist
- Retail pharmacist
- Hospital pharmacist

**Key benefits:**
- Strong anti-inflammatory drug with an excellent anti-phlogistic and anti-rheumatic action.
- Very effective for treatment of acute pain (musculoskeletal).
- Very potent – 25 mg diclofenac equates 1000 mg ASA.
- Fast activity – effective after 30 min (ASA not until 1-2 hours, naproxen not until 2-4 hours).
- Flexible treatment with different dosage forms and dosages: 50mg tablet, 75mg injection, 100 mg suppository, 100mg sustained release tablet.

**Important:**
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**Administration:**
People with sensitive stomach can take Diclo-Denk with meals.

**Tips:**
- Keep a pain diary
- Relaxation techniques
- Cool or warm the injured area

**Price:**
For further information please see SPC.

12/2015
**Indications:**
Symptomatic treatment of pain and inflammation in case of:
- Acute arthritides.
- Chronic arthritides, especially rheumatoid arthritis.
- Ankylosing spondylitis (Bechterew’s disease) and other inflammatory rheumatoid disorders of the spine.
- Acute inflammatory condition of arthroses and spondylarthroses.
- Inflammatory soft tissue rheumatisms.
- Painful swelling or inflammation after injuries.

**Visit recommendations:**
- General practitioner
- Clinicians
- Internist
- Orthopaedist
- Pain therapist
- Rheumatologist
- Retail pharmacist
- Hospital pharmacist
- Retail pharmacist

**Key benefits:**
- Strong anti-inflammatory drug with an excellent anti-phlogistic and anti-rheumatic action.
- First line treatment against acute gout attacks due to its quick response and short half-life.
- Very effective for treatment of acute pain (musculoskeletal and post-operative).
- Very potent – 25 mg diclofenac equates 1000 mg ASA.
- Fast activity – effective after 30 min

**Compl. treatment:**
- long-term: Panto-Denk or Rani-Denk;
- acute injuries: Dolo-Denk Gel;
- muscle pain: magnes direct;
- osteoarthritis treatment: Joint active

**Important:**
- __________________________________________
- __________________________________________
- __________________________________________
- __________________________________________
**Dolo-Denk Gel** (etofenamate)  
10% gel  20 g / 50 g  Al/PE  5 yrs.

**Indications:**
- For the external, adjunctive symptomatic treatment of pain and inflammation associated with musculoskeletal, joint, and soft-tissue disorders.
- For pain in acute strains, sprains or contusions of the limbs following blunt trauma, e.g. sports injuries.
- For pain of the periarticular soft tissues (e.g. bursa, tendons, ligaments and articular capsule).

**Visit recommendations:**
- General practitioner
- Orthopaedist
- Internist
- Pain therapist
- Rheumatologist
- Hospital/Retail pharmacist

**Compl. treatment:**
- Oral co-medication: Ibu-Denk, Denkalgin pain relief

**Adminstration:**
- 3-4 x

**Tips:**
- Keep a pain diary
- Avoid the pressure to overtrain!
- Cool or warm the injured area

**Price:**

---

**Key benefits:**
- Fast, effective and cool soothing pain relief with local anti-inflammatory properties.
- Effective for the symptomatic treatment of pain and inflammation in the muscles, joints and soft tissues, e.g. sports injuries, bursa, sprains, strains and overuse injuries.
- Well tolerated – minimal risk of adverse events.
- Equal efficacy as oral NSAIDS on the overall pain scores.
- An excellent combination with oral therapy for a quicker relief from inflammation/pain.

**Important:**

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**For further information please see SPC.**

12/2015
### Doloforte Denk

**Indications:**
- Symptomatic treatment of moderate to severe pain (e.g., tumour pain, severe postoperative pain).
- The use of Doloforte Denk should be restricted to patients whose moderate to severe pain is considered to require a combination of tramadol and paracetamol.

### Visit recommendations:
- General practitioner
- Clinicians
- Dentist
- Internist
- Pain therapist
- Rheumatologist
- Orthopaedist
- Neurologist
- Hospital pharmacist
- Retail pharmacist

### Administration:
- 2 tablets per day
- Food dependent
- 8 tablets max.
- Keep a pain diary
- Relaxation techniques
- Cool or warm the injured area

### Tips:
- Keep a pain diary
- Relaxation techniques
- Cool or warm the injured area

### Analgesic (opioid / non-acidic analgesic)

**Key benefits:**
- Important treatment combination for moderate to severe pain – recommended by WHO and FDA.
- Rapidly-acting, longer-duration, multimodal analgesic!
- Wide indication range - due to high analgesic efficiency and synergistic effects.
- Reduced adverse events - due to reduced amounts of monotherapy-analgesics.
- Easy administration with fixed-dose combination.

### Important:
- ___________________________________________________________________________________
- ___________________________________________________________________________________
- ___________________________________________________________________________________
- ___________________________________________________________________________________

**Food dependent Analgesic (opioid / non-acidic analgesic)**

**Price:**

For further information please see SPC.

12/2015
Dologan Denk

ibuprofen 200, paracetamol 250, caffeine 50

fct 20 p. PVC/PVDC/Al blister 2 yrs.

3rd trimester

Analgesic (Combination treatment)

Indications:

• For the temporary relief of mild to moderate pain associated with migraine, headache, backache, period pain, dental pain, rheumatic and muscular pain, pain of non-serious arthritis, cold and flu symptoms, sore throat and fever.

• Especially suitable for pain which requires stronger analgesia than ibuprofen or paracetamol alone.

Visit recommendations:

• General practitioner
• Clinicians
• Dentist
• Internist
• Pain therapist
• Rheumatologist
• Orthopaedist
• Hospital pharmacist
• Retail pharmacist

Food dependent

Adminstration:

3 x 1 tablet per day

Tips:

Keep a pain diary
Relaxation techniques
Cool or warm the injured area

Key benefits:

• More rapid onset of action - via caffeine adjunct.
• Stronger effects – caffeine increases analgesic effects up to 40%.
• Lower dosage – caffeine reduces the relative analgesic portions.
• Reduction of adverse effects – lower analgesic dosage.
• Broad spectrum of activity – combination of different synergistic effects.

Important:

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Dologan Denk

3rd trimester

Keep a pain diary
Relaxation techniques
Cool or warm the injured area

For further information please see SPC.

Price:

12/2015
**Ibuprofen Denk**

**Indications:**
- Acute arthritis (including gout).
- Pain (e.g. menstrual, head, tooth).
- Chronic arthritis.
- Inflammatory ailments of the spine.
- Degenerative joint and spinal ailments.
- Soft tissue rheumatism.
- Painful swelling and inflammation after injuries or surgery.
- Pain and fever associated with catarrhal infections of the upper respiratory tract.

**Visit recommendations:**
- General practitioner
- Clinicians
- Dentist
- Internist
- Pain therapist
- Rheumatologist
- Hospital pharmacist
- Retail pharmacist

**Key benefits:**
- Well tolerated – minimal risk of gastrointestinal toxicity and cardiovascular side effects compared to other NSAIDs.
- Multifunctional – antipyretic, analgesic, antiphlogistic and antirheumatic effects.
- Dosage flexibility – breakable tablets.
- Complementary treatment: In case of long-term treatment, the combination with Rani-Denk or Panto-Denk is recommended; magnesium relaxes tense and painful muscles.

**Important:**
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**Administration:**
- Food dependent

**Tips:**
- Keep a pain diary
- Relaxation techniques
- Cool or warm the injured area

**Price:**

For further information please see SPC.
Para-Denk (paracetamol)

**Indications:**
- 500 mg: children > 4 yrs / > 17 kg, adults.
- 250 mg: children ≥ 2 yrs / ≥ 13 kg.
- 125 mg: babies ≥ 6 months / ≥ 7 kg.
  - Symptomatic treatment of mild to moderate pain and/or fever, e.g. toothache, headache, period pain, cold, fever, back pain, migraine.
  - Antipyretic and analgesic, less antiphlogistic.

**Visit recommendations:**
- General practitioner
- Clinicians
- Internist
- Paediatrician
- Pain therapist
- Orthopaedist
- Hospital pharmacist
- Retail pharmacist

**Food independent Analgesic (Antipyretic analgesic, non-acidic)**

**Key benefits:**
- Excellent analgesic and anti-pyretic activity.
- Best tolerance on gastrointestinal and cardiac system.
- No effects on platelet aggregation.
- Little influence on blood clotting.
- WHO recommendation for pain and fever treatment in consequence of Dengue fever and malaria.
- Safe in babies, children and pregnant women.

**Important:**
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**Administration:**
- Keep a pain diary
- Cool or warm the injured area

**Tips:**
- Food independent

**Price:**

For further information please see SPC.
ParaCo-Denk (paracetamol, codeine) 500/30 mg tab 20 p.  PVC/Al blister 5 yrs
1000/60 mg supp 10 p.  Al/PE blister 5 yrs

Analgesic
(Antipyretic analgesics, non-acidic)

Adults
Adeolescents > 12 yrs

Indications:
- Treatment of moderate to severe pain which is not considered to be relieved by other analgesics such as paracetamol or ibuprofen (alone).

Off-label:
- Strong dry cough in adult patients, particularly if combined with fever and/or limb pain.

Visit recommendations:
- General practitioner
- Clinicians
- Internist
- Pain therapist
- Orthopaedist
- Hospital pharmacist

Tips:
- Keep a pain diary
- Cool or warm the injured area

Food independent

Key benefits:
- Highly efficient combination due to the synergistic effects of its well approved components.
- Fast acting pain relief for the patient within 30-60 min.
- Easy administration with fixed-dose combination.
- Better quality of life for pain-free patients.
- Best tolerance on gastrointestinal and cardiac system.

Important:
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ParaCo-Denk

Keep a pain diary
Cool or warm the injured area

For further information please see SPC.
Tramadol Denk (tramadol) 50 mg eff tab 10 p. Plastic tube 3 yrs.

**Indications:**
Treatment of moderately severe to severe pain in patients older than 12 years (> 25 kg), e.g. tumour pain, severe postoperative pain.

**Visit recommendations:**
- General practitioner
- Clinicians
- Internist
- Pain therapist
- Rheumatologist
- Orthopaedist
- Hospital pharmacist

**Food independent**

**Tips:**
- Keep a pain diary with pain scores
- Relaxation techniques
- Cool or warm the injured area

**Key benefits:**
- Fast acting pain relief.
- No tolerance and less constipation.
- Multimodal mechanism of action – acute and chronic pain.
- Proven Tramadol-safety-profile over nearly 4 decades (in Germany).
- Advantages in low dependence potential (is not subject of the german National Prescription Regulations for Narcotics (BtMVV)).
- Low risk of respiratory depression and cardiovascular events.

**Important:**
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**Price:**
For further information please see SPC.

12/2015
**Triam-Denk**

**Triam-Denk** (triamcinolone acetonide) 40 mg susp. for inj. 10 p. glass ampoule 3 yrs.

### Indications:

**Intramuscular injection (not < 16 years):**
certain allergic and dermatological conditions, connective tissue disorders, in seasonal allergies, remission of symptoms over the entire period.

**Intra-articular injection:** for relief of pain and swelling, for alleviating the joint pain, rheumatoid arthritis, osteoarthritis and acute gouty arthritis.

**Intrafocal injection:** for acute and subacute bursitis, epicondylitis, tendinitis and acute, non-specific tenosynovitis.

### Visit recommendations:

- General practitioner
- Clinicians
- Internist
- Pain therapist
- Rheumatologist
- Orthopaedist
- Allergologist
- Hospital pharmacist

### Compl. treatment:

- Dolo-Denk Gel (local)
- Diclo-Denk
- Ca-active (allergies)

### Tips:

- Keep a pain diary
- Eat a diet rich in proteins and vitamins during Triam-Denk treatment!

### Administration:

- Not for i.v. and s.c. injection!
- Not for the vitreous body of the eye!
- Food independent

### Key benefits:

- High potency glucocorticoide (triamcinolone acetonide), a more potent derivate of triamcinolone – about eight times as potent as prednisone.
- Strong anti-inflammatory, antiallergic and immunosuppressive action.
- Useful and effective addition to the employed treatments of allergies, joint injuries and pain.

### Important:

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For further information please see SPC. 12/2015
**Amoxi-Denk (amoxicillin)**  
500/1000 mg tab 20/10 p. PVC/PVDC/Al blister 3 yrs.

**Indications:**
- Infections of the upper and lower respiratory tract (otitis media, sinusitis, tonsillitis, pharyngitis),
- Infections of the kidneys and lower urinary tract,
- Infections of the reproductive organs,
- Infections of the bile ducts,
- Infections of the gastrointestinal tract (including Helicobacter pylori infection),
- Infections of the skin and soft tissues,
- Endocarditis prophylaxis,
- Osteitis, osteomyelitis,
- Listeriosis.

**Visit recommendations:**
- General practitioner
- Clinicians
- Internist
- Gynaecologist
- Urologist
- Dermatologist
- Otolaryngologist
- Hospital pharmacist
- Dentist

**Antibiotics (β-Lactam)**

**Children, adults**

**Administration:**
- Take it at regular intervals
- Food independent

**Tips:**
- Teeth discolouration can be prevented in children by intensive oral hygiene!
- Avoid antibiotic resistance: Take it for the appropriate dose and duration!

**Key benefits:**
- Wide range of therapeutic indications.
- High bioavailability of 72 – 92% after oral administration (concurrent intake of food does not affect the absorption rate).
- Different dosage forms (500 mg and 1000 mg) and breakable tablets for individual treatment and dosage flexibility.
- Approved by the FDA in 1974 → long term safety and efficacy record.

**Important:**
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**Price:**

For further information please see SPC.

12/2015
Amoxicillin, clavulanic acid 500/62.5 fct 16 p. Al/Al blister 2 yrs.
amoxicillin, clavulanic acid 1000/125 gran 8/12 p. PE/Al sachet 3 yrs.

**Indications:**
- Infections of the upper and lower respiratory tract (otitis media, acute sinusitis, acute exacerbations of chronic bronchitis, pneumonia).
- Kidneys and lower urinary tract infections.
- Genital infections.

**Visit recommendations:**
- General practitioner
- Clinicians
- Internist
- Gynaecologist
- Urologist
- Dermatologist
- Otolaryngologist
- Hospital pharmacist

**Administration:**

**Tips:**
- Take it at regular intervals

**Avoid antibiotic resistance:** Take it for the appropriate dose and duration!

**Key benefits:**
- Fast, broad-spectrum antibiotic.
- Low toxicity.
- Aluminium/aluminium high quality blister protects against humidity.
- Effective potency through the addition of synergistic clavulanic acid.
- Better absorbed from the gastrointestinal tract than other penicillins.
- Excellent tissue penetration.

**Important:**

For further information please see SPC.

**Price:**

12/2015
Cipro-Denk (ciprofloxacin) 500/750 mg fct 10 p. PVC/PVDC/Al blister 3 yrs.

**Antibiotics (Fluoroquinolone – Topoisomerase inhibitor)**

**Indications:**
- Lower and upper respiratory tract infections.
- Infections of the urinary and genital tract.
- Infections of the gastrointestinal tract and intra-abdominal infections.
- Skin and soft tissue infections.
- Infections of the bones and joints.
- Complicated urinary tract infections and pyelonephritis.
- Malignant external otitis and chronic suppurrative otitis media.

**Visit recommendations:**
- General practitioner
- Clinicians
- Internist
- Gynaecologist
- Dermatologist
- Paediatrician
- Otolaryngologist
- Hospital pharmacist
- Urologist

**Administration:**
- Dosage in children depends on body weight; max. 750 mg daily
- Food independent
- Take it at regular intervals
- Avoid antibiotic resistance: Take it for the appropriate dose and duration!

**Tip:**
- Take it at regular intervals

**Key benefits:**
- Most effective quinolone against *Pseudomonas aeruginosa*.
- Broad spectrum antimicrobial agent.
- Effective against bacteria in a wide range of infections.
- Effective against bacteria that tend to be resistant to commonly used antibiotics.
- Excellent tissue penetration (e.g. kidney, liver, lungs, bladder, prostate).
- Well tolerated with most side effects being mild to moderate.

**Important:**
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**Price:**

For further information please see SPC. 12/2015
**Indications:**
- Infections of the upper and lower respiratory tract (chronic bronchitis, sinusitis, otitis media and pneumonia).
- Urethral infections (urethritis, uncomplicated gonorrhoea, infections of the female sex organs, syphilis, urinary tract infections).
- Gastrointestinal infections.
- Skin disease.
- Chlamydia conjunctivitis and trachoma caused by *Chlamydia*.
- Illness caused by *Borrelia*.

**Visit recommendations:**
- General practitioner
- Clinicians
- Internist
- Gynaecologist
- Urologist
- Dermatologist
- Otolaryngologist
- Hospital pharmacist
- Retail pharmacist

**Compl. treatment:**
- Immun active
- Para-Denk, Ibuprofen

**Key benefits:**
- Most frequently used tetracycline in medicine → also listed on the WHO Model List of Essential Medicines.
- For most indications: once daily application possible → very good compliance.
- Suitable and guideline-recommended for patients with impaired kidney function → no dose reduction necessary (unlike other tetracyclines).
- Broad spectrum antibiotic: active against *Streptococcus pneumoniae*, pneumonia caused by *Haemophilus influenzae*, *Mycoplasma*, *Rickettsia*, *Chlamydia* and penicillin-resistant pneumococci.

**Administration:**
- Food dependent
- Don’t take it with milk or dairy products!

**Tips:**
- Take it at regular intervals
- Avoid antibiotic resistance: Take it for the appropriate dose and duration!

**Price:**

For further information please see SPC.

12/2015
Levo-Denk (levofloxacin) 250/500 mg fct 10/10 p. PVC/PVDC/Al blister 3 yrs.

Indications:
- Acute bacterial sinusitis.
- Lower respiratory tract infections: acute bacterial exacerbation of chronic bronchitis or community-acquired pneumonia.
- Uncomplicated urinary tract infections.
- Complicated urinary tract infections.
- Chronic bacterial inflammation of the prostate gland.
- Skin and soft tissue infections.

Visit recommendations:
- General practitioner
- Clinicians
- Internist
- Gynaeologist
- Dermatologist
- Otolaryngologist
- Hospital pharmacist
- Urologist

Food independent

Antibiotics (Fluoroquinolone)

Key benefits:
- Once daily → good compliance.
- Guideline recommended, broad microbiological spectrum antibiotic.
- Negligible effect on cytochrome P450.
- Low potential for inducing QT interval prolongation.
- Treatment of serious bacterial infections, especially hospital-acquired infections (e.g. complicated Salmonella infections in humans or resistant typhoid: fluoroquinolones are the only available drugs)

Important:

Food independent

Tips:
- Take it at regular intervals
- Avoid antibiotic resistance: Take it for the appropriate dose and duration!

Price:

For further information please see SPC.
12/2015
**Acyclovir Denk**

**Indications:**
- **Acyclovir Denk 5% cream:** Palliative treatment of pain and pruritus in recurrent genital and labial herpes.
- **Acyclovir Denk 200:** Herpes simplex, esp. herpes genitalis infections of the skin and mucous membranes.

**Visit recommendations:**
- General practitioner
- Clinicians
- Gynaecologist
- Dermatologist
- Hospital pharmacist
- Urologist

**Compl. treatment:**
- Take immun active to boost your immune system!

**Administration:**
- After meals

**Tips:**
- Use a Q-tip to apply the cream to prevent spreading the virus
- Start the treatment after the first signs or symptoms!

**Key benefits:**
- Minimal risk of interactions with other medicinal drugs or food.
- Low toxicity – Acyclovir attacks only herpes infected cells, not healthy cells of the body.
- Well-tolerated with mild side effects.
- Excellent cream formulation for effective and inconspicuous treatment of herpes (Propylene Glycol: better penetration through human epidermis; Dimeticone: better absorption).

**Important:**
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**Price:**

For further information please see SPC.

12/2015
Indications:

**Clotri-Denk 1% cream:**
- Fungal infections of the skin and mucous membrane by dermatophytes, yeasts, moulds and other fungi such as Malassezia furfur, and skin infections caused by Corynebacterium minutissimum.

**Clotri-Denk 100:**
- Vaginal discharge caused by yeasts, vaginal infections where fungi are present or suspected (usually candida species).

Visit recommendations:
- General practitioner
- Clinicians
- Gynaecologist
- Dermatologist
- Diabetologist
- Hospital pharmacist
- Retail pharmacist

Compl. treatment:
- Immun active in recurrent cases for quicker convalescence.

Key benefits:
- Minimal risk of interactions with other medicinal drugs and CYP3A4 metabolism.
- Vaginal tablet: once daily application → high compliance.
- Effective, well-tolerated and safe drug: Clotrimazole is approved and well established since 1973.
- In comparison to other antifungal drugs Clotri-Denk is fungistatic (1-5 mg/l) and has a fungicidal effect (10-20 mg/l).

Important:
- Reduction of security of latex products (e.g. condom or diaphragma)  
- Wash socks, slips and towels at 60 °C/140 °F (fungi are sensitive to heat)

For further information please see SPC.

12/2015
Flucona-Denk (fluconazole) 100/150 mg cap 10/1 p. PVC/PVDC/Al blister 2 yrs

Dermatologic drugs (Antifungal)

Indications:
Flucona-Denk 100 is used for funchal infections caused by yeasts:
• Fungal infection (systemic candidiasis).
• Fungal infection of the surface mucosa of the genus Candida.
• Relapse prophylaxis of cryptococcal meningitis in AIDS patients.
• Infestation of the meninges by the yeast Cryptococcus neoformans.

Flucona Denk 150:
• Acute vaginal candidiasis and candidal balanitis when local therapy is not appropriate.

Visit recommendations:
• General practitioner
• Clinicians
• Gynaecologist
• Urologist
• Dermatologist
• Hospital pharmacist
• Retail pharmacist

Food independent

Dermatologic drugs (Antifungal)

Tips:
Inhibitor of CYP3A4 and CYP2C19 → Interactions!
Wash socks, slips and towels at 60 °C / 140 °F (fungi are sensitive to heat)

Key benefits:
• High status of scientific evidence on safety and effectiveness over decades.
• No risk of interactions with food.
• Fluconazole 150 is a simple 1-pill-treatment.
• Guidelines recommend fluconazole.
• Indicated for prophylaxis and relapse of candidiasis in patients with HIV/AIDS.
• It is on the WHO Essential Medicines List.

Important:

Flucona-Denk

Price:
For further information please see SPC.

12/2015
Amlo-Denk (amlodipine) 5/10 mg tab 50 p. PVC/PE/PVDC blister 2 yrs.

Cardiovascular drug (calcium antagonist)

Indications:
- Essential hypertension.
- Chronic stable angina pectoris (exertional angina).
- Vasospastic angina pectoris.

Visit recommendations:
- General practitioner
- Clinicians
- Cardiologists
- Internist
- Hospital pharmacist

Administration:
- 5/10 mg
- Food independent
- Max. 10 mg

Tips:
- Regular exercise & weight reduction
- Salt restriction
- Check your blood pressure regularly

Key benefits:
- Once daily; food independent, at any time of the day → high compliance.
- Recommended by the ASH/ISH as one for the first-line drug classes for the hypertensive treatment in the general non-black (≥ 60 years) and black population, including those with diabetes.
- Amlodipine can be safely combined with other hypertensive drug classes, including diuretics.
- It’s on the WHO Organization’s List of Essential Medicines.

Important:
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Price: 0

For further information please see SPC.

12/2015
**Indications:**
- Functional cardiac-circulatory complaints (hyperkinetic heart syndrome, hypertonic regulation disorders).
- Chronic stable angina pectoris or unstable angina pectoris (in case of concomitant tachycardia or hypertonia).
- Arterial hypertension.
- Supraventricular and ventricular arrhythmias.

**Visit recommendations:**
- General practitioner
- Clinicians
- Cardiologists
- Hospital pharmacist
- Retail pharmacist
- Internist

**Key benefits:**
- Long term treatment with β-blockers reduces mortality after acute myocardial infarction (AMI).
- Once daily dosage → good compliance.
- Minimal hepatic metabolism → little interaction with drugs that are metabolized in the liver.
- It’s on the WHO Organization’s List of Essential Medicines.

**Important:**
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**Administration:**
25 – 100 mg
Before meals

**Tips:**
- Regular exercise & weight reduction
- Salt restriction
- Check your blood pressure regularly

**Price:**
For further information please see SPC.

12/2015
**Indications:**
- **Captopril Denk:**
  - Hypertension (HTN).
  - Cardiac insufficiency - supplementary to diuretics and, in the event of severe heart insufficiency, to digitalis and beta-blocking agents.
- **Captopril+HCT Denk:**
  - Essential hypertension; in patients whose blood pressure is not adequately controlled by captopril or HCT monotherapy.

**Visit recommendations:**
- General practitioner
- Clinicians
- Paediatrist
- Diabetologist
- Hospital pharmacist

**Cardiovascular drug**
(ACE inhibitor + [Thiazide diuretic])

**Food independent**

**Tips:**
- Regular exercise & weight reduction
- Salt restriction
- Check your blood pressure regularly

**Key benefits:**
- Captopril is recommended by the ASH/ISH as one for the first-line drug classes for the hypertensive treatment in the general non-black population (< 60 years) and in black patients if therapy with one drug was not effective.
- Can be safely combined with other hypertensive drug classes, including diuretics.
- Effective and safe in elderly patients (> 70 years).
- Long-term safety and efficacy.

**Important:**

For further information please see SPC.
Indications:
• Essential hypertension (only Carvedi-Denk 25).
• Chronic stable angina pectoris (only Carvedi-Denk 25).
• All degrees of severity of stable chronic cardiac insufficiency, of ischaemic or non-ischaemic origin, in addition to diuretics and ACE inhibitors and, optionally, digitalis.

Visit recommendations:
• General practitioner
• Clinicians
• Cardiologists
• Hospital pharmacist
• Retail pharmacist

Compl. treatment:
• magnes-Denk
• Ferro-Denk (iron deficiency often occurs in people with heart failure)

Key benefits:
• Snap tab galenics ensures easy & exactly dividing into equal parts.
• Guideline recommended:
  ✓ Management of heart failure stage B and C.
  ✓ Stable ischemic heart disease.
  ✓ Valvular heart disease.
  ✓ Unstable angina (UA)/Non-ST-elevated myocard infarction (NSTEMI) treatment.
  ✓ Management of hypertension.

Important:
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Food dependent
Regular exercise & weight reduction
Salt restriction
Check your blood pressure regularly

Price:

For further information please see SPC.

12/2015
Adults ≥ 18 yrs

Indications:
Prevention of atherothrombotic events
- Patients suffering from myocardial infarction, ischaemic stroke or established peripheral arterial disease.
- Patients suffering from acute coronary syndrome (Non-ST segment /ST segment elevation).
Clopidogrel is indicated in combination with ASA for the prevention of atherothrombotic and thromboembolic events, including stroke, in adult patients with atrial fibrillation who:
- have at least one risk factor for vascular events,
- are not suitable for treatment with Vitamin K antagonists (VKA),
- have a low bleeding risk.

Visit recommendations:
- General practitioner
- Cardiologist
- Clinicians
- Internist
- Endocrinologist
- Hospital pharmacist
- Retail pharmacist

Cardiovascular drug (Antiplatelet agent)

Administration:
Food independent
Tips:
- Regular exercise & weight reduction
- Less smoking and drinking alcohol
- Healthy balanced diet

Key benefits:
- Once daily – good compliance.
- Synergistic dual therapy with ASA (acetylsalicylic acid) – safe and guideline recommended.
- Lower rates of life threatening and major bleedings (vs. prasugrel).
- No significant increase in major bleeds (vs. Placebo/ASA; [CURE study]).
- Dual therapy with an oral anticoagulant (VKA) in patients with a coronary stent is very safe! [WOEST study Aug 2012].

Important:
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Clopi-Denk

75 mg fct 30 p. Al/Al blister 3 yrs.

Price:

For further information please see SPC.
Ena-Denk/Ena-HCT-Denk

<table>
<thead>
<tr>
<th>Indications:</th>
<th>Visit recommendations:</th>
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<tbody>
<tr>
<td>Ena-Denk</td>
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<td>Cardiologist</td>
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<td>Diabetologist</td>
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<td>Hospital pharmacist</td>
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**Key benefits:**
- Ena-Denk can be safely combined with other anti-hypertensive drugs, particularly diuretics.
- Reduction of mortality in patients with severe cognitive heart failure and improvement of symptoms.
- Enalapril is recommended by the ASH/ISH as one for the first-line drug(s) for the hypertensive treatment, particularly in the non-black population (< 60 years).

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**Food:**
- independent

**Tips:**
- Regular exercise & weight reduction
- Salt restriction
- Check your blood pressure regularly

**Price:**

For further information please see SPC.
Furo-Denk (furosemide) 40 mg tab 100 p. PVC/PVDC/Al blister 5 yrs.

Cardiovascular drug (Urinative - Loop diuretic)

**Indications:**
1) Fluid retention in tissue (oedema) associated with:
   - Heart failure or liver disease.
   - Renal disease.
   - Burns.
2) High blood pressure (arterial hypertension).

**Visit recommendations:**
- General practitioner
- Clinicians
- Cardiologist/ internist
- Nephrologist
- Hospital/ retail pharmacist
- Nurses

**Tips:**
- Administration: Food dependent (fasting state)
- Tips: Regular exercise & weight reduction
- Salt restriction
- Check your blood pressure regularly

**Key benefits:**
- Gluten-free formulation.
- Treatment of acute hypercalcemia.
- Good compliance:
  - Once daily for indication of arterial hypertension.
  - Oral medication well tolerated.
- Well experienced and proved “high ceiling diuretic”.

**Important:**
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**Price:**
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For further information please see SPC.

12/2015
Indications:

**Losar-Denk**
- Essential hypertension.
- Renal disease (patients with hypertension, type 2 diabetes mellitus with a proteinuria of ≥ 0.5 g/day).
- CHF (patients ≥ 60 yrs when treatment with an ACE inhibitor is not considered alone).
- Reducing the risk of stroke (left ventricular hypertrophy by ECG criteria).

**CoLosar-Denk**
- Essential hypertension; in patients whose blood pressure is not adequately controlled on losartan or HCT monotherapy.

Visit recommendations:
- General practitioner
- Cardiologist
- Clinicians
- Diabetologist
- Nephrologist
- Pediatrist
- Hospital/ retail pharmacist
- Internist

Key benefits:
- First and well established ARB (AT1-Receptor Blocker) (Losar-Denk).
- Safe in patients with renal disease, diabetic nephropathy and in children above age of 6 years (Losar-Denk).
- Good compliance - once daily (CoLosar-Denk).
- CoLosar-Denk is effective in males and females, coloured and caucasians and in younger and older (≥65 years) patients.
- CoLosar-Denk is effective in all degrees of hypertension.

Important:

Food independent

Tips:
- Regular exercise & weight reduction
- Salt restriction
- Check your blood pressure regularly

Price:

For further information please see SPC.
**Nifedi-Denk** (nifedipine) 10/20 mg ert 100/30+100 p. PVC/PVDC/Al blister 3 yrs.

### Indications:
- Chronic stable angina pectoris (effort angina).
- Vasospastic angina pectoris (Prinzmetal’s angina, variant angina).
- Essential hypertension.

### Visit recommendations:
- General practitioner
- Clinicians
- Cardiologist
- Internist
- Hospital pharmacist
- Retail pharmacist

### Administration:
- 30–60 mg Food dependent

### Tips:
- Regular exercise & weight reduction
- Salt restriction
- Less smoking and drinking alcohol

### Key benefits:
- Recommended by the ASH/ISH as one for the first-line drug classes for the hypertensive treatment in the general non-black (≥ 60 years) and black population, including those with diabetes.
- Nifedi-Denk can be safely combined with other hypertensive drug classes, including diuretics.
- Significant reduction in relative risk for strokes and severe arrhythmia.
- Effective, safe and well-established in the acute treatment of preterm labor (off-label).

### Important:
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For further information please see SPC.
**Indications:**
- It's a diuretic and anti-hypertensive agent and belongs to a group of medications known as the loop diuretics
- Treatment and prevention of recurrent cardiac oedema and/or effusions associated with heart failure.

**Visit recommendations:**
- General practitioner
- Clinicians
- Cardiologist/internist
- Nephrologist
- Hospital/retail pharmacist

**Key benefits:**
- No dosage adjustments in elderly and patients with hepatic or renal impairment.
- Quick onset of diuretic effect, the maximum effect is reached within 1 to 3 hours after administration, and may last up to 12 hours => once daily.
- Nearly no effect on K⁺, Ca²⁺, and Mg²⁺ (no K⁺ substitution necessary).
- “Gentle diuresis”, meaning the patient will have less urinating urgency. Less nocturia (nocturnal polyuria).
- Imprinted “10” and “5” in the tablets, both for patient safety and forgery protection.

**Important:**
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For further information please see SPC.

12/2015
Indications:

**Valsar-Denk**
- Essential hypertension and hypertension in children 6-18 yrs.
- Clinically stable patients with symptomatic heart failure or asymptomatic left ventricular systolic dysfunction after a recent (12 hours – 10 days) myocardial infarction.

**CoValsar-Denk**
- In Patients whose blood pressure is not adequately controlled on valsartan or HCT monotherapy.

Visit recommendations:
- General practitioner
- Clinicians
- Cardiologist
- Paediatrician
- Diabetologist
- Internist
- Hospital/retail pharmacist

Key benefits:
- Safe and well tolerated in a broad range of patients (elderly, children, diabetics, obese etc).
- Valsartan is the most selective ARB/AT1 blocker – less side effects.
- Protects the heart and kidneys by reducing blood pressure.
- Reduces risk for new onset diabetes in high risk hypertensive patients.
- First and only ARB used for heart failure or left ventricular systolic dysfunction after myocardial infarction.

Important:
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Administration:
- 1 x 24 h
- 80 mg max 320 mg
- Food independent
- Tip: Regular exercise & weight reduction
- Salt restriction
- Check your blood pressure regularly

Price:

For further information please see SPC.

12/2015
Vera-Denk (verapamil) 240 mg ert 50 p. PVC/PVDC/Al blister 4 yrs.

1st and 2nd trimester

Indications:
1) Treatment of coronary disease in cases of
   • chronic stable angina pectoris.
   • unstable angina.
   • vasospastic angina pectoris
     (Prinzmetal angina, variant angina).
2) Treatment of cardiac arrhythmia in cases of
   • paroxysmal supraventricular tachycardia, rapid heart movements
     with rapid AV transition (except WPW syndrome).
3) Treatment of arterial hypertension.

Cardiovascular drug (Calcium antagonist)

Visit recommendations:
• General practitioner
• Clinicians
• Cardiologist
• Internist
• Hospital pharmacist
• Retail pharmacist

Tips:
Food dependent

Regular exercise & weight reduction
Salt restriction
Less smoking and drinking alcohol

Key benefits:
• Breakable tablets for individual treatment and dosage flexibility.
• Sustained release formulation allows a slow release of the active drug.
• Generally well tolerated – benefit-risk profile appears very favourable.
• Reduction of cardiovascular events in patients with prior myocardial infarction.
• Recommended by the ASH/ISH as one for the first-line drug classes for the hypertensive treatment in the general non-black (≥ 60 years) and black population, including those with diabetes.

Important:

Food dependent

Regular exercise & weight reduction
Salt restriction
Less smoking and drinking alcohol

Price:

For further information please see SPC.

12/2015
Glimepiride Denk (glimepiride) 2/3 mg tab 30 p. PVC/PVDC/Al blister 4 yrs.

### Indications:
**2/3 mg:**
- Glimepiride is used in the treatment of type 2 diabetes mellitus when diet, physical exercise and weight reduction alone are not adequate.

### Possible comediations:
- Magnes-Denk
- Vit-B-Denk (neuropathy, prophylaxis)

### Visit recommendations:
- General practitioner
- Internist
- Diabetologist
- Clinicians
- Hospital pharmacist
- Retail pharmacist

### Administration:
- Before or during the first meal

### Tips:
- Healthy balanced diet
- Weight loss
- Regular glucose monitoring & blood glucose diary!

### Key benefits:
- Once daily - convenient and safe.
- 3rd generation of sulfonylureas - less hypoglycaemia.
- Less hyperinsulinemia, less weight gain - well accepted.
- Most efficient glycaemic control (HbA1c -2%).
- No lactic acidosis.
- Safe and effective for long term - less risk of mortality.

### Important:
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### Price:

For further information please see SPC. 12/2015
## Metformin Denk (Metformin)

### Indications:
- Treatment of non-insulin dependent type 2 diabetes mellitus, particularly in overweight patients, when dietary management and exercise alone does not result in adequate glycaemic control.

### Possible comediations:
- Magnes-Denk
- Vit-B-Denk (neuropathy, prophylaxis)

### Adminstration:
- During or after meals
- Healthy balanced diet
- Weight loss
- Regular glucose monitoring & blood glucose diary!

### Tips:
- Healthy balanced diet
- Weight loss
- Regular glucose monitoring & blood glucose diary!

### Visit recommendations:
- General practitioner
- Internist
- Diabetologist
- Clinicians
- Hospital pharmacist
- Retail pharmacist

### Key benefits:
- No hypoglycaemia.
- Administered as monotherapy (Adults/Children > 10 years) or in combination with other oral anti-diabetic agents (Adults) or with insulin (Adults/Children > 10 years).
- Reduction of CVD (cardiovascular disease) events (UKPDS study).
- A reduction of diabetic complications has been shown in overweight type 2 diabetic adult patients treated with metformin (Metformin Denk) as first-line therapy.

### Important:
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### Price:

For further information please see SPC.

12/2015
### Indications:
- Treatment of hypercholesterolaemia
  - Primary hypercholesterolaemia (type IIa including heterozygous familial hypercholesterolaemia) or mixed dyslipidaemia (type IIb) as an adjunct to diet.
  - Homozygous familial hypercholesterolaemia as an adjunct to diet and other lipid lowering treatments.
- Prevention of cardiovascular events
  - Prevention of major cardiovascular events in patients who are estimated to have a high risk for a first cardiovascular event.

### Visit recommendations:
- General practitioner
- Internist
- Cardiologist
- Clinicians
- Hospital pharmacist
- Retail pharmacist

### Key benefits:
- Rosuvastatin is the most effective statin in lowering LDL-C and triglycerides.
- Highest HDL-C-increasing effect and consistent across all dose ranges.
- Generally well tolerated - benefit-risk profile appears very favourable.
- FDA approved for the primary prevention of CV events (stroke, heart attack, arterial revascularization procedures).
- About 90% of patients reach treatment goals (both European4 (92%) and American NCEP-Adult Treatment Panel III5 (89%).

### Important:
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### Administration:
- Food independent
- Be physically active
- Healthy balanced diet
- Less smoking and drinking alcohol

### Tips:
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### Price:
- 0

For further information please see SPC.
Simva-Denk (simvastatin) 20/40 mg fct 30 p. PVC/PVDC/Al blister 2 yrs.

Metabolic drug – Cholesterol-lowering agent (HMG-CoA-reductase inhibitor)

Adults
Children ≥ 10 yrs

Indications:
As an adjunct to diet in the following cases:
• Hypercholesterolaemia (primary or mixed hyperlipidaemia and homozygous familial hypercholesterolaemia) when response to diet and other measures (e.g. exercise and weight reduction), is inadequate.
• Cardiovascular prevention: Reduction of cardiovascular mortality and morbidity in patients with manifest atherosclerotic cardiovascular disease or diabetes mellitus, with either normal or increased cholesterol levels.

Visit recommendations:
• General practitioner
• Internist
• Cardiologist
• Clinicians
• Hospital pharmacist
• Retail pharmacist

Food independent
Tips:
• Be physically active
• Healthy balanced diet
• Weight loss
• Less smoking and drinking alcohol

Key benefits:
• Generally well tolerated – benefit-risk profile appears very favorable.
• Reduction of LDL-cholesterol up to 48%.
• Reduction of overall mortality (30%).
• Reduction in coronary deaths (42%).
• Reduction of major coronary events (34%).
• Reduction of the risk of stroke by 25%, attributable to a 30% reduction in ischaemic stroke.

Important:
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Price: 0

For further information please see SPC.

12/2015
**Ambrox-Denk (ambroxol)**

**Indications:**
Secretolytic therapy in acute and chronic bronchopulmonary disease manifested by abnormal mucous secretion and impaired mucous transport.

**Possible comedication:**
- Immune system booster: immun active

**Visit recommendations:**
- General practitioner
- Clinicians
- Hospital pharmacist
- Retail Pharmacist

**Administration:**
- 20-120 mg
- Food independent
- Tips:
  - Do a steam inhalation
  - Drink a lot for building soft mucus

**Key benefits:**
- Breakable tablets for individual treatment and dosage flexibility.
- For all forms of cough with viscous phlegm.
- Reduces bronchial mucous viscosity and activates the natural transport of mucus.
- Dosage form ensures sufficient intake of liquid.
- Frees lungs, nose and throat.
- Proven safety and effectiveness for many years.

**Important:**
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**Ambrox-Denk 60 mg eff. tab 10/20 p. Plastic tube 4 yrs**

**Price:**

For further information please see SPC.

12/2015
**Denk-Air (Junior)** (montelukast)

| 4/5 mg | chewable tab. | 28 p. | Al/Al blister | 3 yrs. |
| 10 mg  | fct           |       |               |        |

**Asthma therapeutic (Selective leukotriene receptor antagonist (LTRA))**

**Indications:**
- Treatment of asthma as add-on therapy (mild to moderate persistent asthma; inadequately control with inhaled corticosteroids or short acting β-agonists).
- Prophylaxis of asthma in which the predominant component is exercise-induced bronchoconstriction.
- Adults only: Symptomatic relief of seasonal allergic rhinitis.
- Children only: Alternative treatment option to low-dose inhaled corticosteroids.

**Visit recommendations:**
- Pulmonologist
- Paediatrist
- General practitioner
- Clinicians
- Allergologist
- Hospital pharmacist
- Retail pharmacist
- Asthma nurses

**Tips:**
- Develop an asthma action plan
- Reduce exposure to asthma triggers
- Reduce stress!

**Administration:**
- Denk-Air Junior: 1 h before or 2 h after food

**Key benefits:**
- Very good compliance – orally, once daily, non-steroidal.
- Safe for children from 2 years and older (Denk-Air Junior 4 mg).
- Chewable tablets as convenient dosage form for children.
- Therapeutic effect within 1 day.
- Most potent inhibitor of Leukotriene-induced bronchoconstriction.
- Generally well tolerated without clinically important adverse effects.

**Important:**

**Price:**

For further information please see SPC.

12/2015
### Indications:
- As an adjunct to specific osteoporosis therapy in patients with proven or at high risk of developing simultaneous calcium and vitamin D deficiency.
- To treat simultaneous calcium and vitamin D deficiency in the elderly.

### Possible comedication:
- Bisphosphonate therapy (e.g. Zoledro-Denk)

### Visit recommendations:
- General practitioner
- Gynaecologist
- Orthopaedist
- Clinicians
- Gerontologist
- Oncologist
- Hospital pharmacist
- Retail pharmacist

### Administration:
- 1x24h
- During or after meals

### Tips:
- Weight-bearing exercises
- Stay within your daily calories need!

### Key benefits:
- Very good compliance – only 1 effervescent tablet per day.
- Easy consumption without swallowing tablets → ideal for older people.
- Effective supportive combination of calcium and vitamin D3 for osteoporosis prevention/therapy.
- Contains Vitamin D for an optimal calcium storage.
- Stops bone loss and prevents brittle bones.

### Important:
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- ___________________________________________________________________________________

For further information please see SPC.
**Ferro-Denk 50 (iron)**

**Mineral supplement**

**Adults**
- **Adolescents > 12 yrs**

**Indications:**
- Treatment of iron deficiency.

**Visit recommendations:**
- General practitioner
- Gynaecologist
- Clinicians
- Hospital pharmacist
- Retail pharmacist

**Administration:**
- 1 hour before meals

**Tips:**
- Take it with orange juice!
- Vitamin C increases iron absorption

**Key benefits:**
- Efficient support for women, adolescents and vegetarians with iron deficiency.
- Good absorption and bioavailability due to bivalent iron (Fe²⁺).
- Well tolerated with most side effects being mild to moderate.
- Approved health claims: Iron contributes to normal cognitive function, energy-yielding metabolism, formation of red blood cells and haemoglobin, oxygen transport in the body, function of the immune system, reduction of tiredness and fatigue and has a role in the process of cell division.

**Important:**
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**Price:**

For further information please see SPC.

12/2015
**Magnesium (magnes-denk)**

**Indications:**
- Magnesium deficiency if it is causing muscular disturbances (neuromuscular disorders, calf cramps).
- Compl. treatment:
  - Hypertension, cardiovascular disease (regulating blood pressure, preventing arrhythmia).
  - Diabetes (Glimepiride Denk / Metformin Denk)

**Visit recommendations:**
- Pharmacy
- General practitioner
- Diabetologist
- Cardiologist
- Gynaecologist

**Administration:**
- Shortly before meals

**Tips:**
- Combination with Glimepiride Denk / Metformin Denk possible!
- Warm-up before exercising

**Key benefits:**
- Effective cramp prophylaxis.
- Fast supply of magnesium to heart, nerves and muscles.
- Ideal during pregnancy and lactation.
- Tasteless, small and easy to swallow capsules.
- No artificial sweetener and colorants.
- No sugar (0 BU) → suitable for Diabetics.
- Low serum magnesium levels are associated with a higher prevalence of metabolic syndrome and type 2 diabetes (diabetes mellitus).

**Important:**
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**Price:**

For further information please see SPC.

12/2015
Indications:
• Treatment of neurological system diseases which are caused by a proven deficiency of vitamin B1 (thiamine) and vitamin B6 (pyridoxine).

Possible co-medications:
• Diabetes (Glimperide Denk / Metformin denk)
• Hypertension, heart failure
• Neuropathic pain

Visit recommendations:
• Retail pharmacist
• General practitioner
• Diabetologist
• Neurologist
• Oncologist

Nervous system – Vitamin supplement

Key benefits:
• Additive synergistic effect of the combination of Vit. B1 (thiamine) and B6 (pyridoxine).
• Essential for healthy nervous system function.
• Vitamin B1 and B6 play a fundamental role in energy metabolism.
• Vitamin B6 is needed for normal brain development and function.
• Thiamine and pyridoxine are on the WHO List of Essential Medicines.

Important:

<table>
<thead>
<tr>
<th>Vit-B-Denk (Vit. B1 &amp; B6)</th>
<th>100/200 mg fct 20/100 p. PVC/PVDC/Al blister 3 yrs.</th>
</tr>
</thead>
</table>

Administration: 1-2x

Tips: Shortly before meals

Treatment for 4 weeks only without medical control!

Price:

For further information please see SPC.

12/2015
Men

**Indication:**
- For men planning a family

**Ingredients:**
- **Vit. E** (120 mg): can improve the motility of sperms and contributes to the protection of cells from oxidative stress.
- **L-Arginine** (250 mg): can improve sperm motility.
- **L-Carnitine** (440 mg): can improve sperm motility.
- **Coenzyme Q10** (15 mg): has antioxidant properties.
- **Folate** (800 µg): has a positive effect on sperm quality – especially sperm count and density.
- **Zinc** (25 mg): contributes to normal fertility and reproduction.
- **Selenium** (60 µg): contributes to normal spermatogenesis.

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**Administration:**
- 1 stick per day
  - After a meal

**Tips:**
- Be physically active!
- Healthy balanced diet
- Less smoking and drinking alcohol

**Price:**

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**Key benefits:**
- Very good compliance – only 1 stick per day.
- Easy consumption without water.
- 1 stick a day covers the recommended daily requirement of micronutrients for normal spermatogenesis.
- Daily supplement of fertilo forte improves male fertility.

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**Important:**
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