

LABORATOIRES
Innova Pharm
CONCEPTEURS & FABRICANTS



FUNCTIONAL ORTHODONTICS



SEE ATTACHED OUR NEW CATALOG



QUALITY

Medical range:
phtalate, bisphenol,
hormone disruptor

DESIGN

Designer and manufacturer
in France (49 Cholet)

INNOVATION

Responding
to developments
in functional concepts

THE SERVICES

For your patients:
Videos, sheets,
booklets, etc.

AVAILABILITY

Listening and reacting



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dental assistant

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Assistant Manager

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BREATHING - SWALLOWING - OPEN BITE



E.O. orthodontic screen

2 sizes

Orthodontic screen with
E.O.B. bumper



PLAIN SCREENS

Children from 5 years

Density

- small size: **1 density** (flexible)
- large size: **2 densities** (flexible, rigid)

Actions

- **The screen exerts pressure on the upper incisors** if there is an antero-posterior mismatch between the teeth and reduces the contractions of the cheeks which are the cause of narrow palates.
- **The patient must breathe exclusively through the nose.** The screen allows the child to breathe in this way so that his maxillary and mandibular jaws develop harmoniously.
- **The teeth are clenches during swallowing.** Placing the screen between the lips and the teeth stops the lip-tongue contact which is responsible for anterior or lateral open bites.
- **The screen is a substitute for finger sucking or a pacifier.** It may eliminate this harmful habit thus re-establishing a functional environment favourable to the harmonious growth of the jaws and teeth.

Contraindications

- Not suitable for children under 36 months.
- Class III occlusions or prognathic tendencies.
- Exclusive mouth respirators.

SCREENS WITH BUMPERS

Density

- **1 density** (flexible)

Actions identical to those of the plain screen

Action specific to the screen with bumper

- **The orthodontic screen with bumper (EOB) is recommended when there are dental mismatches,** if the lower jaw is receding. The bumper causes propulsion of the jaws, directing the tongue towards the palatine papillae to achieve secondary swallowing.

Contraindications

- Not suitable for children under 36 months.
- Class III occlusions or prognathic tendencies.
- Exclusive mouth respirators.

EXERCISE APPLIANCES

THE DÉGLUTIX

2 sizes

Screen specially designed for reeducation of secondary swallowing involving reflex action.

Density

- 1 density (flexible)

Actions

- The presence of the screen prevents the tongue from sticking out between the lips, there is no more contact between the lips-tongue which is the initiator of primary swallowing (dysfunctional).
- Ventilators placed in the lip extensions make it impossible for the lips to produce a sealed joint.
- To swallow, the child must clench his teeth and place his tongue against his palate. Then his secondary swallowing will be correct.
- This new type of swallowing takes place SUBCONSCIOUSLY. Learning takes place SPONTANEOUSLY.

Contraindications

- Not suitable for children under 36 months.

Progress made in one case, after 3 months, by wearing the déglutix

December 2016



February 2017



INTERCEPTION FOR CLASS I

BREATHING - LINGUAL AND LABIAL DYSFUNCTIONS



The Class I medium mouthguard

THE CLASS I MOUTHGUARD

Children of 5 years and over and adults

4 sizes

- **In children:** correction of functional and occlusive problems in a preorthodontic context.
- **In adults:** treatment of snoring. Relaxation of muscles and joints.

Density

- small, middle, large size: **3 densities** (flexible, medium, rigid)
- X-large size: **2 densities** (flexible, rigid)

Actions

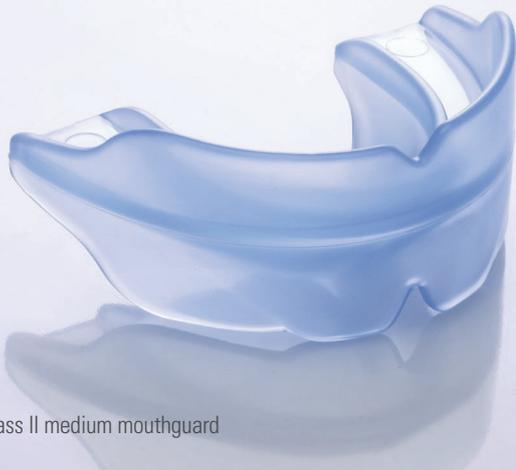
- **The Class I mouthguard helps to correct malfunctions of the tongue** such as anterior lingual impulse (sucking the tongue) and swallowing.
- The bilateral blocks (Innova Pharm Patent) are used **to place the tongue in a high position.**
- **The vestibular shield** changes breathing through the mouth into breathing through the nose.
- **The "lip bumper" extensions** neutralise the muscle contractions from the lip-chin region and encourage the jaw to grow.
- **The mandibular arcade** is surrounded all round the perimeter by the maxillary arcade to encourage **contact between the lateral sectors.**
- The mandible remains positioned in Class I.

Contraindications

- Not suitable for children under 36 months.



Class II flexible mouthguard



Class II medium mouthguard



Class II rigid mouthguard

INTERCEPTION FOR CLASS II

BREATHING - LINGUAL AND LABIAL DYSFUNCTIONS



THE CLASS II MOUTHGUARD

Children of 6 years and over and adults

4 sizes

Density

- small, middle, large size: **3 densities** (flexible, medium, rigid)
- X-large size: **2 densities** (flexible, rigid)

Actions

- The mouthguard **helps to** correct breathing due to its vestibular shield.
- Its lingual elevator (bilateral blocks) **allows** secondary swallowing to be established.
- The bilateral blocks are used to **place** the tongue in a high position.
- It **encourages** the teeth to erupt in the correct way within a preorthodontic context.
- The "**lip bumper**" extensions neutralise the muscle contractions from the lip-chin region and encourage transversal jaw growth.
- The **mandibular arcade** is surrounded all round the perimeter by the maxillary arcade **to encourage contact between the lateral sectors**.
- **Helps to relieve** temporomandibular joint problems in adults.

Contraindications

- Not suitable for children under 36 months.

LA GOUTTIÈRE CLASSE II BI-DENSITY

Children from 6 years

3 sizes

small, middle and large

- **The first mouthguard which, thanks to an innovative, patented manufacturing process, combines 2 different densities of the same material;** this mouthguard combines the flexibility of fragile parts (lips, cheeks and tongue) with the rigidity of the dental arches.
- Combining 2 densities of the same material eliminates the risk of breakage encountered when different materials with different densities are combined.

Density

- flexible/medium
- medium/rigid

Actions

- **The vestibular shield**, which allows breathing through the nose to be established, **is soft**, protecting the lips and cheeks from injuries.
- **The dental arches, which are more rigid** (medium or rigid), limit any distortions of the mouthguard, thus optimizing the development and establishment of occlusion.
- **The maxillary arch respects transversal occlusion by confining the mandibular arch.**
- **End-to-end assembly** encourages Class II hypercorrection.
- **Reinforcement from the "lip bumpers"** increases efficacy.

Contraindications

- Not suitable for children under 36 months.

INTERCEPTION FOR CLASS II BREATHING - LINGUAL AND LABIAL DYSFUNCTIONS



Class II dual density flexible/medium mouthguard



Class II dual density medium/rigid mouthguard

INTERCEPTION FOR CLASS II

BREATHING - LINGUAL AND LABIAL DYSFUNCTIONS



Medium square mouthguard



THE SQUARE MOUTHGUARD

Children and adults

10 sizes, measured using a correlation table corresponding to the KORKHAUS Chart (available on www.innovapharm.fr/en/, in the product information)

Only functional appliance designed according to the KORKHAUS Chart.

Density

- 1 density (medium)

Actions

- **Involved in mixed dentition**, as an addition to, or as a next stage after PLANAS tracks.
- **Allows** alternate unilateral **chewing exercises**.
- **The U shape** shapes the mandibular arch.
- **The shape of the maxillary arch**, complying with the values of the KORKHAUS chart, promotes lateral occlusion.
- **The vestibular shield corrects breathing through the mouth.**
- **The "lip bumper" extensions neutralise the contractions** from the lip-chin region and **encourage transversal jaw growth.**
- **The propulsion plane releases the mandible**, facilitating the establishment of secondary swallowing.
- The lower bilateral blocks are used **to place the tongue in a high position.**

Chewing

Chewing exercises can be carried out on the practitioner's advice.

Contraindications

- Not suitable for children under 5 years of age.

Progress of a case by wearing the square mouthguard

December 2010

December 2011



SNORING (SNORING WITHOUT APNOEA) - TEETH GRINDING DYSFUNCTIONS - CRANIOMANDIBULAR DYSFUNCTIONS



Square mouthguard

THE SQUARE MOUTHGUARD

Contraindications

- Not suitable for children under 5 years of age.

 See the characteristics on **page 7**.

THE CLASS II DUAL DENSITY MOUTHGUARD

 See the characteristics on **page 6**.



Class II dual density flexible/medium mouthguard

Class II dual density medium/rigid mouthguard



INTERCEPTION FOR CLASS III

BREATHING - LINGUAL AND LABIAL DYSFUNCTIONS



THE CLASS III MOUTHGUARD

Children from 4 years

2 sizes
small and middle

Density

- 2 densities (flexible, medium)

Actions

- **Helps to correct malfunctions of the tongue** such as anterior lingual impulse (sucking the tongue) and primary swallowing.
- **The bilateral blocks are used to place the tongue in a high position.**
- **The "lip bumper" extensions neutralise the muscle contractions** from the lip-chin region and encourage transversal jaw growth.
- **The vestibular shield changes breathing** through the mouth into breathing through the nose.
- The incisor overhang is increased **to correct crossed incisor joints.**
- **The mandibular arcade** is surrounded all round the perimeter by the maxillary arcade **to encourage contact between the lateral sectors.**

Contraindications

- Not suitable for children under 36 months.

Progress of a case, in 7 months, by wearing the Class III mouthguard

December 2014

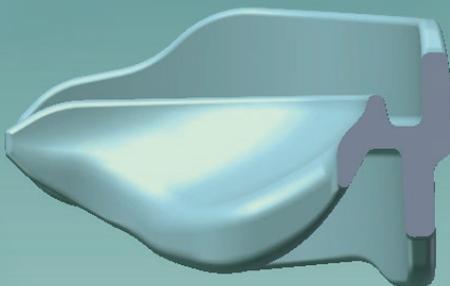


July 2015



Class III medium mouthguard

Cross section
(computer-generated image)



INTERCEPTION - CONTAINMENT



THE PROCLUSEUR

Children from 6 years

Available in 8 sizes and
can be measured with a ruler

Actions

- **After an interception phase** to stabilise the result obtained, awaiting eruption of the lateral sectors via the occlusion guiding strips.
- **Contained** after multi-bracket treatments. Indentations from 14 to 24 and from 34 to 44. The rear strips release molar occlusion for physiological implementation.
- **Reeducation** for breathing through the nose.

Contraindications

- Not suitable for children under 6 years of age.
- Class III occlusion.



AUXILIARY APPLIANCES FOR MULTI-BRACKET TREATMENT



MOUTHGUARD WITH BRACKETS

Children from 10 years

Bimaxillary

- with bilateral blocks
- without bilateral blocks

Unimaxillary

- with bilateral blocks

Mouthguards with brackets



AUXILIARY APPLIANCES FOR MULTI-BRACKET TREATMENT



One size

Actions

- **The presence of bilateral blocks** allows the combined reeducation of swallowing and tongue posture to continue.
- **Encourages breathing through the nose.**
- **Encourages intermaxillary traction to work** by placing the dental arches end to end (possibility of adapting the appliance by cutting it with scissors).
- **Protects the soft tissues (lips, cheeks)** during the multi-bracket adaptation period.
- **Uni-maxillary mouthguard with brackets:** aid to tongue reeducation when only the maxillary arch has brackets.

Contraindications

- Not suitable for children under 6 years of age.
- Class III occlusion.
- Exclusive mouth respirators.



Vertical section (computer generated image)
Presence of a groove for the maxillary and mandibular brackets



Bi-maxillary mouthguard with brackets and bilateral blocks

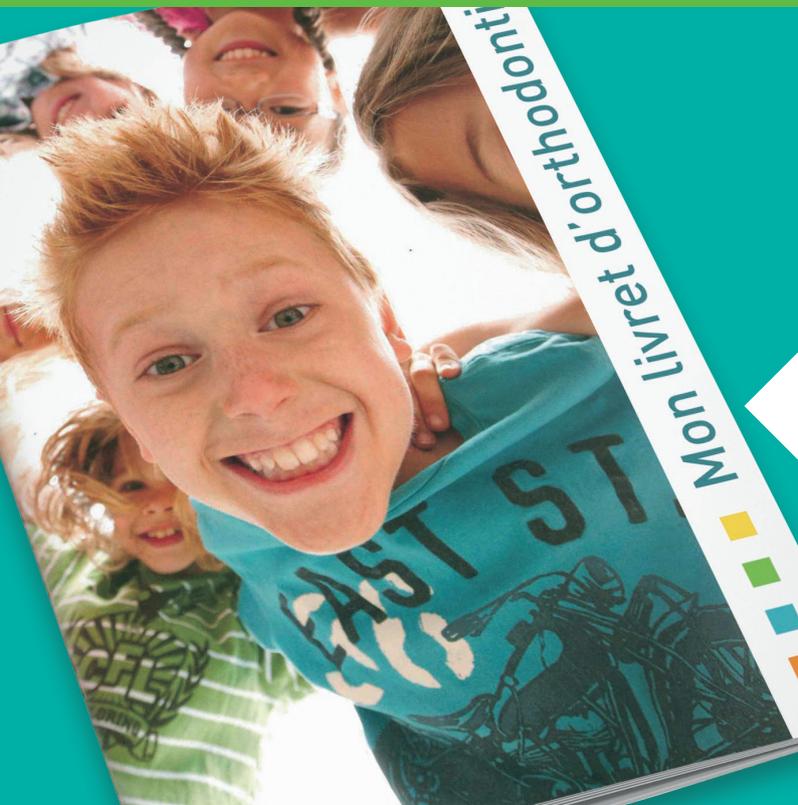
Uni-maxillary mouthguard with brackets and bilateral blocks



WHAT WE CAN PROVIDE FOR FOUR PATIENTS BOOKLETS

FUNCTIONAL ORTHODONTICS BOOKLET

- This booklet is for the parents of your patients. It tells them about the advantages of functional reeducation, covering the concepts of breathing, swallowing, chewing and posture.
- 8 page booklet, 14.7x21 format, with an area on the back to stamp with the practice name, without stating "Innova Pharm".



PATIENT BOOKLET

- This booklet is for your patients. It provides advice about dental hygiene, how to wear the appliance and how to look after it. It means that their treatment can progress in the best possible way.
- 10 page booklet, with a flap to hold the information about wearing the appliance, 14.7x21 cm format, without any reference to "Innova Pharm".

WHAT WE CAN PROVIDE FOR FOUR PATIENTS SHEETS TIP SHEETS

Download them free from:

[www.innovapharm.fr/en/
individual space/tip sheets](http://www.innovapharm.fr/en/individual-space/tip-sheets)

INFORMATION SHEETS AND INSTRUCTIONS ABOUT WEARING THE APPLIANCE

Available in paper format with your order.



VIDEOS

Your patients can view them on:

www.innovapharm.fr/en/

or on Youtube

by entering Innova Pharm

If you would like to a USB stick containing the videos, so you can play them in your waiting room or show them to your patients on your computer, send your request to:

mail@innovapharm.fr

OUR WEBSITE: INDIVIDUAL SPACE

A DEDICATED SPACE FOR YOUR PATIENTS WHERE THEY CAN FIND:

Information about functional problems, tip sheets, frequently-asked questions and the section entitled "video presentation of my treatment."



OUR WEBSITE: PROFESSIONAL SPACE

FIND OUR WEBSITE ON:
www.innovapharm.fr/en/

DETAILED INFORMATION:

Allowing you to discover and assess our range of functional appliances.

THE ONLINE STORE:

Offering you the opportunity to order when you want and pay by cheque, bank card or bank transfer.

OUR VIDEOS:

- The Déglutix
- Breathing
- Swallowing
- Wearing and looking after the appliance
- Fitting customised appliances (modular range)



OUR ORTHODONTIC SOLUTIONS



	DYSFUNCTIONS					PARAFUNCTIONS		
	Breathing	Swallowing	Lingual posture	Labial competence	Chewing	Finger sucking	Tongue sucking, lip, etc.	Pacifier
4 to 8 years	E0 Square Mg Mg*	Mg* Square Mg Déglutix	Mg* Square Mg	OS	Square Mg	Déglutix OS / OSB	OS Mg* Square Mg Déglutix	Déglutix OS / OSB
8 to 12 years	OS Mg* Square Mg	Mg* Square Mg Déglutix	Mg* Square Mg	OS	Square Mg	Déglutix OS / OSB	Mg* Square Mg Déglutix	
12 to 16 years	OS Mg* Square Mg	Mg* Square Mg	Mg* Square Mg	OS	Square Mg		Mg* Square Mg	
Adults	OS Mg C12 Mg C11 Square Mg	Mg C12 Mg C11 Square Mg	Mg C12 Square Mg	OS	Square Mg			

OS: Orthodontic screen

OSB: Orthodontic screen with Bumper

Mg C11: Class I Mouthguard

Mg C12: Class II standard or dual density Mouthguard

Mg C13: Class III Mouthguard

Square Mg: Square mouthguard

Mg Brackets : Dual-maxillary or uni-maxillary Mouthguard with Brackets

PRO : Proccluseur

Mg* : Mouthguard depending on dental class (I, II or III)

DENTAL PROBLEMS

	Class 1 DDM	Class 1 deep bite	Class 1 open bite	Class 2 deep bite	Class 2 open bite	Class 2 unilateral	Class 3 incisor occlusion crossed	Crossed occlusion lateral
4 to 8 years	Mg C11 Square Mg	Mg C11 Square Mg	Mg C11 Square Mg	Mg C12 Square Mg	OSB / Mg C12 Square Mg	Square Mg Mg C12	Mg C13	Mg* Square Mg
8 to 12 years	PRO Mg C11 Square Mg	PRO Mg C11 Square Mg	Mg C11 Square Mg	Mg C12 Square Mg PRO	Mg C12 Square Mg	Mg C12 Square Mg PRO	Mg C13	Mg* Square Mg
12 to 16 years	PRO Mg C11 Square Mg	PRO Mg C11 Square Mg	Mg C11 Square Mg	Mg C12 Square Mg PRO	Mg C12 Square Mg	Mg C12 Square Mg PRO	Mg C13	Mg* Square Mg

DENTO-SKELETAL PROBLEMS

	Class 2 pro maxillary	Class 2 retro mandibular	Class 2 pro / retro	Class 3 moderate	MULTI-BRACKET	TEETH GRINDING DCM	SNORING	CONTAINMENT STABILISATION
4 to 8 years	Mg C12 Square Mg	Mg C12 Square Mg	Mg C12 Square Mg	Mg C13		Mg* Square Mg	Mg* Square Mg	Mg C11 Square Mg
8 to 12 years				Mg C13	Mg Brackets	Mg* Square Mg	Mg* Square Mg	PRO Mg C11 Square Mg
12 to 16 years				Mg C13	Mg Brackets	Mg* Square Mg	Mg* Square Mg	PRO Mg C11 Square Mg
Adults					Mg Brackets	Mg* Square Mg	Mg C11 Mg C12 Square Mg	PRO Mg C11 Square Mg

USER INSTRUCTIONS FOR THE APPLIANCES

The déglutix:

How do you position the déglutix in your mouth? see photo on page 3.

The appliance must be worn for 30 minutes during the day. The child should not think about his appliance. He should wear it while carrying out another activity which absorbs his concentration: reading, television or a video game.

Wearing the appliance at night and the exercises are not compulsory.

The screen:

The screen is placed anywhere between the lips and the teeth.

The Class I mouthguard, the Class II mouthguard (standard and dual-density), the Class III mouthguard, the Square mouthguard, the mouthguards with brackets with bilateral blocks (uni or bi-maxillary):

The mouthguard is placed in the mouth, with the bilateral blocks at the bottom under the tongue.

The tongue is then placed in its natural position at the top front.

The proccluseur:

Premolar to premolar indentations are planned to allow the development and positioning of the teeth.

The mouthguard with brackets without bilateral blocks:

The mouthguard can be placed in either direction.



When the appliance is in the mouth, patients breathe through their nose.

The recommendation is to wear the appliance for 2 h during the day. Chewing, breathing and swallowing exercises may be carried out.

Wearing the mouthguard at night helps to establish breathing through the nose as a reflex action as well as automatic secondary swallowing.

In the morning the front teeth feel sensitive; this quickly disappears and is evidence that the mouthguard is working on the incisor-canine unit. At first (for about 4 weeks) it's normal for the patient's mouthguard to fall out at night.

You must persevere as functional reeducation is a long process.

APPLIANCE MAINTENANCE

- All our appliances should be cleaned in cold water with a toothbrush and toothpaste, before and after use.
- The recommendation is to soak the appliance for 1 hour a week in mouthwash.
- Never boil it.



COMPOSITION OF APPLIANCES

Our appliances are manufactured from medical grade materials and food colourings which comply with FDA and UPS Class VI regulations and do not contain bisphenol, phthalates, or PVC.

OUR TRAINING DAYS

**THEORY,
PRACTICAL
AND CLINICAL
TRAINING.**

For dates, see:

www.innovapharm.fr/en/
professional space, news tab



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