

～100 年変わらぬ歯ブラシをソリューション【課題解決】する～

(人は海にプラごみを放り続けるのか?)

~Providing a solution to toothbrushes that haven't changed for 100
years~

(Will people continue to throw plastic waste into the ocean?)

短尺柄歯ブラシ物語

(道は見つける。さもなくば作る)

The Story of a Short-Handled Toothbrush

(Either find a way or make one)

[本内容はインスタグラムでも紹介しております。](#)

マイクロプラスチックを魚が食べ、その魚を人間が食べて人体への影響は無いのか？

Fish eat microplastics and humans eat the fish.
Are there any effects on the human body?

2022年3月3日 ケニアで行われたプラスチックごみ条約制定に向けた会議で海洋汚染への取り組みが世界共通の喫緊の課題であることを知った。(単細胞の私は直ぐに走った)
歯ブラシの柄は半分にできないものか？

～そこから始まった歯ブラシ物語～

March 3, 2022 At a conference held in Kenya to establish a treaty on plastic waste, I learned that tackling marine pollution is an urgent global issue. (A simple thought occurred to me)
What if we could cut toothbrush handles in half?

～ That's where the toothbrush story began ～



歯ブラシ長さ1/2で試作品を作り『これはイケル！』と。
I made a prototype with a toothbrush half the length and thought, "This will work!".

その頃ダイエットで食していたチアシードの歯詰まりが、従来品で磨きうがいをした後、短尺柄歯ブラシ(試作品)で磨くと更に洗面器に十数個のチアシードを確認。

At that time, the chia seeds I was eating were causing blockages in my teeth. After brushing with a conventional toothbrush and gargling, I found a dozen chia seeds in the washbasin.

その実証実験を

1)体験に基づく歯ブラシ性能評価(表1)※

When I brushed with a short-handled toothbrush (the prototype), the results of the demonstration experiment were as follows: 1) Experience-based toothbrush performance evaluation (Table 1)

2)歯ブラシ柄 長い、短いドッチ？(表2)※としてまとめた。

2) Toothbrush handle: Long or short? (Table 2)



※表1及び2は個人の見解です。Tables 1 and 2 are personal views.

体験に基づく歯ブラシ性能評価
Experience-based toothbrush performance evaluation

	D社実施例 Example of Company D L=177 298円	M社実施例 Example of M company L=183 1100円	短尺柄歯ブラシ Tightly brushed [L=90] 頒布価格?円	効能効果 寸評 Efficacy and effectiveness Commentary (2022年5月)
姿 形の美しさ (ビジュアル) Beauty of appearance and shape (visual)	◎	◎	◎	デザインに全力投球 Putting all your effort into design
細部の形状工夫 Detailed shape and ingenuity	◎	◎	◎	エンボス持ちやすさ Embossed Easy to hold
操作性 Operability	○	○	◎	独自の理論に基づく Based on a unique theory
接面力 (機動性) Contact force (mobility)	○	○	◎	手指手首回転で効果【手先の道具になりうる】 Rotating your fingers and wrists can have an effect [It can be used as a hand tool]
均等圧 Uniform Pressure	○	○	◎	毛先と持ち手の近さにあり The tip of the hair is close to the gripping finger.
除去力 (チアシード) うがい Removal power (chia seeds) before gargling	△15 9	△10 7	◎0 0	【残存感なし】 他を圧倒する
うがい後				[No residual feeling]
				Overwhelms others
				【除去力】 [Removal power]
液だれ保持力 Drip retention	△	△	◎	液だれ回避装置付き Comes with a device to prevent dripping
防汚力 (液が伝う、飛沫が飛ぶ) Anti-stain ability (liquid dripping, splashing)	○	○	◎	口と持ち手の近さに決定力 The closeness of the handle to the mouth is crucial (個人差があります) (Individual results may vary)
パッケージ力 (ケース、スペース) Packaging capacity (case, carrying capacity)	○	○	◎	半分で済む Half the work
携行力 Portability	○	○	◎	いつでもどこでも Anytime, anywhere
片麻痺の人が磨く Polished by a person with hemiplegia	—	—	◎	平等に口腔の健康を目指す権利 The right to equal oral health
			長い柄がなく取り回しOkと好評 It is popular because it does not have a long handle and is easy to	
ヘッド部 毛先の違い Head: Difference in bristles	—	—	先細毛、平坦毛の混毛 (推奨) A mixture of tapered and flat hair	※論じ得ない ※Cannot be discussed

※特筆すべきは除去力で、チアシードを食し長尺柄で磨けたつもりでも短尺柄ではさらに7～15個の歯詰まりを三角ポケット、歯間から掻き (かき) 出せたこと。
ite chia seeds and thought I had brushed with the long handle, the short handle managed to scrape out an additional 7 to 15 c
結論：全ては持ち手 (指) と口の近さにある。
：ファーストコンタクト、運動習性が個人の口腔ケアに寄与できる。
Conclusion: It all comes down to the proximity of the handle (fingers) to the mouth. (Useless objects = NG)
：First contact and motor habits can contribute to personal oral care.

歯ブラシ柄 長い 短い どっち？ (乗り換え検討資料)

Toothbrush handle Long or short?
(Transfer consideration materials)

	長い柄 Long handle	短い柄 Short handle
	柄を握って持つ Hold by the handle	柄を指先で持つ Hold the handle with your fingertips
形態 Shape	握る持ち替えると言った運動習性が着いている They have motor skills such as grasping and changing their	指先でつまむ (固定する) 指先だけであやつる新感覚の磨き Pinch with your fingertips (fix) A new type of polishing that can be controlled with just your fingertips
対象 subject	年齢中が広く全般に行き渡る Wide range of ages, across the board	幅広い層の方に設定できるが 歯詰まり除去力に期待したい方 ファーストコンタクトは何歳からでも慣れていただけます。 It can be used by a wide range of people, but those who want the ability to remove clogged teeth can get used to First Contact at
機動性 Mobility	歯の曲面への移動転回のたびに握り直して持ち手の位置を変える Every time you move or rotate it to the curved surface of the teeth, re-grip it and change the position of your handle.	指先の動作能力により回転移動がスムーズに行え360度の歯の接面を捉えることができる The fingertip movement allows for smooth rotational movement and capture of 360-degree tooth contact surfaces.
強度 Strength	持ち手の長さでその都度接面への強度圧が変わり歯の凸凹への親和性に乏しい (力任せに磨く) The strength of pressure on the contact surface changes depending on the length of the handle, so it has little affinity to the unevenness of the teeth (polishing with too much	指先が力点なので自身の適度な均等圧が送り込める。 Since the fingertips are the force points, you can apply an appropriate amount of even pressure.
口腔内の働き Functioning of the oral	持ち手を変える中で磨き辛い部位がある。長い柄が邪魔になり磨き足りない箇所が出来る When changing the handle, there are some areas that are difficult to polish. The long handle gets in the way and some areas are not polished enough.	口腔内全ての部位に毛先を意識でき磨き残しを感じさせない 口腔内の弱点、歯並びを指先が覚えルーティーンができ上る The brush tips are aware of all areas of the mouth, so you won't miss any spots. Your fingertips will remember the weak points in the mouth and the alignment of your teeth, so you can create a

電動歯ブラシ(EH)もいいですが、「良さは使って観ないと解りませんか？」あなたのお子様達に何歳からEHを使えばいいと思われませんか。

Electric toothbrushes (EH) are good, but you won't know how good they are until you try them out.

At what age do you think your children should start using EH?

EHほど、人間の身体技能と口腔内衛生、停電時にそぐわない製品はないのです。

No product is more in tune with human physical skills, oral hygiene and power outages than EH.

正しい歯磨きを、虫歯のない清潔な口腔を保つなら【短尺柄歯ブラシ】を修練することが先です。

身体技法を学ばせ、懸けがいのない地球を持続可能にする教育を始めるべきです。

いつから【短尺柄歯ブラシ】使うか？など論外の質問ですね。

人間の持つ根源の習熟、習性、習慣に習うべきです。

If you want to brush your teeth properly and maintain a clean, cavity-free mouth, you must first practice Brassie.
We should teach people physical techniques and begin education that will help make our precious Earth sustainable.

When should we start using Brassie? That's an irrelevant question.

We should learn from the fundamental habits, habits, and customs that humans possess.

※ 短尺柄歯ブラシとの出会いで皆様の食べかすが除去でき、セレンディピティ(偶然に幸運を引き寄せる力)と遭遇できます。

By using a short-handled toothbrush, you can remove food particles and experience serendipity (the power to attract good fortune by chance).

歯ブラシメーカー13社に提案書を送るも丁寧なお断り、K社のみ特許を取れたら応じます、と来た。

ならばと、特許取得に全力投球。

We sent our proposal to 13 toothbrush makers, but they politely declined, and only Company K said they would accept our proposal if we could obtain a patent. We then threw all our energy into obtaining a patent.



知財本に記された【道は見つける。さもなくば作る】に勇気づけられ2024年1月特許登録を完了。

4月 意匠権登録完了

Written in the IP book was the phrase "Either find a way or make one", so I completed the patent registration in January 2024. By April the registration of design rights was completed.



カーボンニュートラル、SDGsに目を向け次世代に課題を先送りしない姿勢こそ今、企業風土に求められています。

Carbon neutrality, an attitude of focusing on the SDGs and not postponing issues to the next generation is now required in the corporate culture.



産業構造が脱炭素社会を目指し数値目標を整えてゆけば自然から歯ブラシは短くなり地道に取り組んだ企業に成果がもたらされます。

If the industrial structure aims for a decarbonized society and sets numerical targets, toothbrushes will naturally become shorter, and companies that make steady efforts will see results.



今般、新機軸のデモ機は持ち手部(ハンドル)の特許思想による除去力もさることながら
 廃プラスチック、省エネ、脱炭素社会においてソーシャルグッドな製品を皆様にお届けできることを願っています。

This time, we hope that our innovative demonstrator will not only have the removal power due to the patented handle concept, but also provide you with a product that is socially good for waste plastic, energy saving, and a decarbonized society.



歯ブラシの最適解

歯周病

短尺柄歯ブラシなら指先と歯ブラシヘッドの動きが終始一定の距離で取り廻せピンポイントで均等な力を送り出せます。

歯面への強度は指先操作の為微細に調節できます。

歯周病、歯肉炎、歯肉の衰えた方にはこの技が有効です。

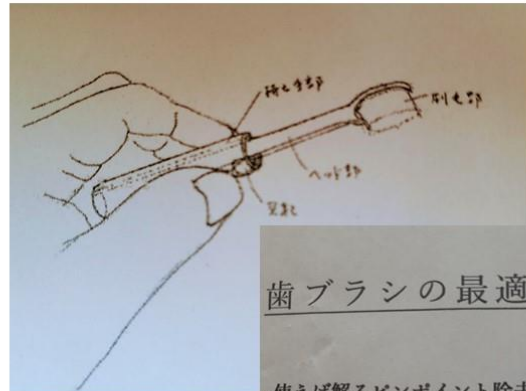
The best toothbrush solution

Periodontal disease

With a short-handled toothbrush, your fingertips and the toothbrush head can move at a constant distance from start to finish, allowing you to deliver pinpoint, even pressure.

The strength of the brush on the tooth surface can be finely adjusted by using your fingertips.

This technique is effective for those with periodontal disease, gingivitis, and weakened gums.



※体験に基づく性能評価
 (表1、表2)を参照

歯ブラシの最適解 (7)

使えば解るピンポイント除去力

異次元の持ち手部がハイブリッド

スモール イズ ビューティフル

歯垢歯石を撃退、お口の健康改善に

360度ある歯面を磨くには機動性と対応力が物を言い短尺柄歯ブラシヘッドの入射角度を自在に操れることこそが指先操作の利点です。人間の持つ身体技能の活用で弱点をカバーできます。
習慣 習熟 習性に習えば『怖いものなし』。
(たこ焼き、ニラ、焼肉、スルメにも通じます。)

To brush the 360-degree surface of the teeth, mobility and adaptability are important, and the advantage of fingertip operation is that the angle of incidence of the short-handled toothbrush head can be freely controlled.
Weak points can be covered by utilizing the physical skills of humans.
Habits breed proficiency, and if you learn from habits, there is nothing to fear.
(This also applies to takoyaki, chives, grilled meat, and dried squid.)



短尺柄歯ブラシなんでいいん？

日常使いだからこそ手頃な価格を目指します。

省資源、廃プラ抑制思想だからソーシャルプロダクツになり得ます。

生分解性プラスチックを使い廃棄物を出さない、残さない姿勢にこそ(パーパス)企業存在価値がある。

又、持ち手部のシリコンチューブに有害性は無く

「一生物」。

Why are short-handled toothbrushes so good?

We aim for an affordable price because they are for everyday use.

Our purpose is to use biodegradable plastic and not produce or leave any waste behind.

In addition, the silicone tube on the handle is non-toxic and will last a lifetime.

社会性

使命が与えられた気がする。短尺柄歯ブラシがもたらす生命体へのあらゆる効果に貢献せよ!!と。「その道を真っすぐ進みなさい」と。

Sociality

I feel like I have been given a mission. Contribute to all the effects that short-handled toothbrushes have on living organisms! "Go straight down that path."

長尺柄で要らない部分を取り除き、効果効能をギュギュッと圧縮した短尺柄歯ブラシ

原材料が1/3、廃プラロス半分の逸品です。

脱炭素社会、ストップ温暖化、SDGsに貢献、ソーシャルグッドを実現しましょう。

Named as a short-handled toothbrush with a long handle that removes unnecessary parts and compresses its effectiveness.

This is a masterpiece that uses 1/3 raw materials and half plastic waste.

Let's realize a decarbonized society, stop global warming, contribute to SDGs, and achieve social good.

短尺柄歯ブラシは存在価値があるの？

重さ12gが4gに、短尺柄歯ブラシが3本作れます。

その上、効果効能倍増、除去力は圧倒的!!

短尺柄歯ブラシに愛着と美意識が宿り、SDGsに貢献いただけます。

持ち手部チューブは一生物、継続してご使用いただけます。

Are short-handled toothbrushes worth having?

The weight has been reduced from 12g to 4g, allowing you to make three short-handled toothbrushes.

What's more, is twice as effective and has overwhelming removal power!

You can develop an attachment to your short-handled toothbrush and feel a sense of beauty, while contributing to SDGs.

The handle tube lasts a lifetime and can be used continuously.





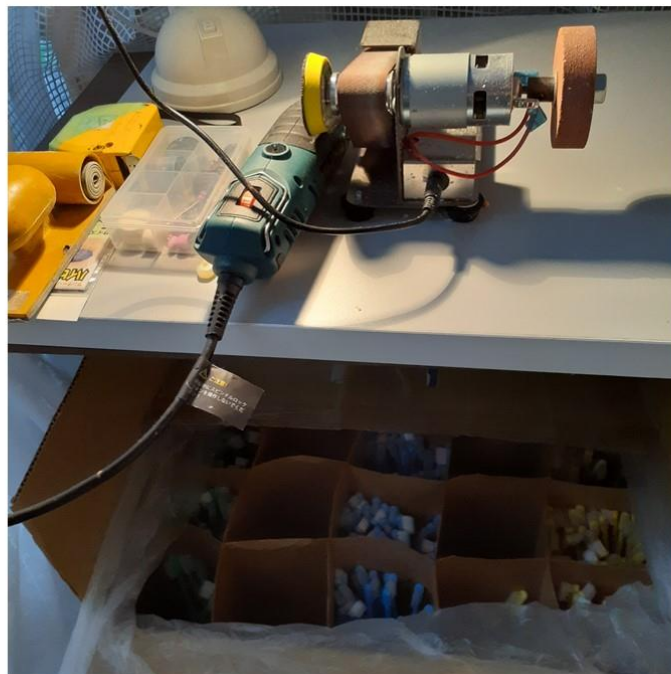
この歯ブラシデザインは特許意匠権に登録されています。
効果効能は合点(ガッテン)をいただけますヨ。
お試しあれ。

This toothbrush design is
registered as a patent design right.
You will get a “Gatten” for its
effectiveness.
Try it!



子供達にキレイな海を残したい!!から生まれた
【短尺柄歯ブラシ】
歯ブラシ柄を半分に、廃プラを半分に!!
特許から生まれた環境配慮型新機軸歯ブラシ。
今、私にできること きっといつかきっと
新しい世界と 未来とキレイな海を守るため～

short-handled toothbrushes was born
from the desire to leave a beautiful
ocean for our children.
The toothbrush handle is cut in half,
and the waste plastic is cut in half! A
new, environmentally friendly
toothbrush born from a patent.
This helps to protect the future world,
and a beautiful ocean, for all time.



デモ機手作り歯ブラシを被災地へ
パブリック歯みがきを提唱・活動している方が出
向いてくれ、キッカケを与えてくれました。
いま私にできること、支援とは程遠いですが『ハミ
ガキで骨休めしてください』

A demo model of handmade
toothbrushes was sent to the disaster-
stricken areas.

The person who inherited and worked
with the public toothpaste went out
and gave us the kicker.

What I can do now is not exactly
support, but say "please take a break
by brushing your teeth."



形状

長尺歯ブラシに慣れ親しんだ皆様は歯磨きは「こんなもん」と思い込んでいます。
新しくデザインされた短尺柄歯ブラシで皆様の口腔ケアは劇的に改善されます。
新感覚の磨き心地が特許であり発明なのです。チューブとこの突起、そして3本指が歯ブラシヘッド
の入射角度を広げて、除去力を倍増させることが実証できました。
掌サイズに合わせて可動式チューブを調節、年齢に関係なく伸びます縮みます。従来品歯ブラシの
半分の長さは携帯携行に重宝いただけます。

Shape

Those of you who are accustomed to long toothbrushes assume that
brushing your teeth is "just like this."

The newly designed short-handled toothbrush will dramatically improve your
oral care. The new brushing sensation is a patent and an invention. It has
been proven that the tube, this protrusion, and three fingers widen the
angle of incidence of the toothbrush head, doubling the removal power.
The movable tube can be adjusted to fit the palm size, and it can expand
and contract regardless of age. Half the length of conventional
toothbrushes makes it convenient to carry around.

操作性

短い歯ブラシで皆様の口腔ケアは劇的に改善されます。

歯ブラシの柄は短いからイイんです。

指先操作だから優しく磨けます。チューブの丸み、弾力が指先に馴染み歯ブラシヘッドの連続移動を助けます。三本指だからヘッドの稼働域が広がります。

歯の隙間、表裏のポケットのカス詰まりに届き除去力がアップします。

チューブの差し入れで自分長さに調節して使います。

三本指、均等圧、隅々マッサージの【短尺柄歯ブラシ】です。

新機軸のデザイン歯ブラシです。

Usability

A short toothbrush will dramatically improve your oral care.

The handle of the toothbrush is short, which is good.

You can brush gently because it is operated with your fingertips. The roundness and elasticity of the tube fit comfortably on your fingertips and help the toothbrush head move continuously. The three-fingered design expands the head's range of motion.

It can reach the gaps between teeth and clogged pockets on the front and back of the teeth, increasing the removal power.

You can adjust the length to your liking by inserting the tube.

This is the [short-handled toothbrushes], which uses three fingers, even pressure, and massages every corner of your mouth.

This is a toothbrush with an innovative design.



ここに明確なシグナルを示します。
歯詰まり除去力が高く、食後のスッキリを得させ
巾広い世代の虫歯予防に貢献、歯科医療費を軽減
する技術思想、新機軸の環境配慮型歯ブラシです。

Here we see a clear signal.
It is an environmentally friendly
toothbrush with high unclogging power,
which contributes to cavity prevention
for a wide range of people after eating
and reduces dental care costs.



短尺柄歯ブラシ何でイイのか？

- ・指先操作の為、力ごなしに磨けない ・指関節とチューブのダブルクッションで歯面に均等圧を送り込める
- ・掌(てのひら)サイズが歯ブラシヘッドの入射角度を広げ隅々までクリーニング
- ・歯周ポケット、歯間に届き除去力アップ ・指先が歯の凸凹形状を覚えこみ弱点をカバーする
- ・チューブは自分長さに調節して使用 ・液だれ回避装置付き
- ・自立する ・携帯携行、備蓄に嵩張らない
- ・原材料、廃棄プラ半分、省資源、カーボンニュートラル、ストップ温暖化 SDGsに貢献
- ・ソーシャルグッドを実現

What is so good about a short-handled toothbrush?

- ・Since it is operated with your fingertips, you cannot brush with force.
- ・The double cushion of the knuckles and tube allows for even pressure to be applied to the tooth surface.
- ・The palm-sized toothbrush head widens the angle of incidence and cleans every nook and cranny.
- ・It can reach periodontal pockets and spaces between teeth for increased removal power.
- ・The fingertips memorize the uneven shape of the teeth to cover weak spots.
- ・The tube can be adjusted to your own length for use.
- ・Comes with a drip prevention device.
- ・Stands up.
- ・Easy to carry and store.
- ・Half the amount of raw materials and plastic waste, saving resources, carbon neutral, helps stop global warming.
- ・Contributes to SDGs. Realizes social good.

君は長尺、短尺ドッチ？

指先とチューブの操作性がコラボし優しい力を生み出す【短尺柄歯ブラシ】

歯の凸凹(弱点)を指先が覚えて、かゆい所(磨きづらい)をトレースできます。

『小回りが効く』とデモ機使用者(80代女性)

指先操作と歯ブラシヘッドがイコールの関係性を言い現わしてくださいました。

機敏性、対応力の高さにあります。

[必要]が明確になるシグナルを送り続けます。

Which do you prefer, long or short?

With short-handled toothbrushes, the fingertips and maneuverability of the tube work together to create a gentle force.

Your fingertips remember the unevenness (weak spots) of your teeth and can trace the itchy spots (difficult to brush).

"It's maneuverable," said one demo user (woman in her 80s).

She expressed the equal relationship between fingertip operation and the toothbrush head.

It has high agility and adaptability.

It continues to send signals that make the feel of it clear.

モニタリング

特許思想をデザインしたデモ機を介護タクシーのご利用者様にお配りし

反響として

A) 歯周の衰えを歯科衛生士に指摘され、これなら優しく磨ける(60代女性)

B) 小回りが効くと機敏性と対応力を表現されました(80代女性)

C) 違和感なく磨けた(50代女性)

D) 普通に磨けた(40代男性)

E) 上手く磨けた(30代女性)

F) 短くても磨けるんだ、奥歯の周りに入りにくいので刷毛部は小さくして欲しい(20代女性)

G) 『これイケルで!!』飲食店17歳男性、祖母共タイイね!!を戴きました

等々リピーターになりうる御意思を戴いております。

従来品に比べ長さ半分、重さ1/3であることは使用者に対価をもたらしますがその使い心地の良さが存在価値を生みます。

小さい時から短尺柄歯ブラシをご両親が指導することで口腔ケアは劇的に改善!!されます。

Monitoring

We distributed demo brushes designed with the patented concept to our nursing taxi customers, and received the following responses:

A: A dental hygienist pointed out my periodontal deterioration, and this brush allowed me to brush gently (woman in her 60s).

B: The maneuverability was great, and it expressed mobility and adaptability (woman in her 80s).

C: I was able to brush without any discomfort (woman in her 50s).

D: I was able to brush normally (man in his 40s).

E: I was able to brush well (woman in her 30s).

F: I can brush even with a short handle. It's hard to get around the back teeth, so I wish the brush part was smaller (woman in her 20s).

G: "It's all good!!" We received comments from a 17-year-old man at a restaurant, who said that he and his grandmother liked it. We have received comments such as these, which indicate that they may become repeat customers.

The fact that the brush is half the length and one-third the weight of conventional products creates its value.

If parents teach their children to use short-handled toothbrushes from an early age, oral care will improve dramatically.



今まで見たことも、触ったこともない歯ブラシですがその小ささに驚かれます。

重厚長大は1980年代に衣替えをし、軽薄短小が省エネ、消費の多様化を推し進めました。(長)(短)歯ブラシの選択は自由です、あなたはドッチ派？

省資源を謳い原材料を12g⇒4gに衣替え

効果効能は一日三度の爽快、三年の歳月で得た知見による歯ブラシデザイン、74歳のお爺だからわかる口腔ケアの大切さ。

You'll be surprised at how small this toothbrush is, even though you've never seen or touched it before. The heavy, long, and large design was replaced in the 1980s, and the light, thin, short, and small design promoted energy conservation and diversification of consumption. (Long) (Short) You are free to choose your toothbrush, which do you prefer?

To promote resource conservation, the raw material content has been reduced from 12g to 4g.

The effects are refreshing three times a day, the toothbrush design is based on knowledge gained over three years, and the importance of oral care is understood by a 74-year-old grandfather.



その他効果

何でなん？パブリック歯磨き

Other effects

Why? public brushing teeth.

A) 爽快感が食後のブラッシングで得られ食間にその余韻に親しみ、次なる食事が楽しみに待てることこそが生き生きライフにつながります。
B) 唾液は口を通して外部から入ってくる細菌をやっつける免疫作用があります。サッ！、いつでも、どこでもブラッシング。

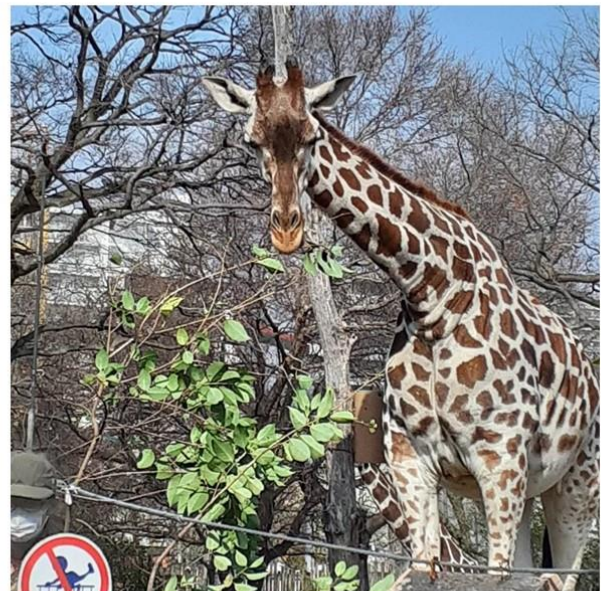
A) Brushing your teeth after a meal gives you a refreshing feeling, and you can look forward to the next meal without the aftertaste of the previous one. This is what leads to a vibrant life.
B) Saliva has an immune effect that kills bacteria that enter from the outside through the mouth. Brush your teeth anytime, anywhere.



C) 凝り固まった作業に頭を休めシンキングタイム。余韻とひらめき(閃き)が融合し、あ〜もこ〜もヒントが湧き出ます。歯磨き＝脳磨き、WinWinの関係??? 閃きは直ぐに消え去るので書き、止めおきましょう。
D) 歯ブラシは短くてもイイんだよ毛先がピンポイントに当たるから。歯ブラシヘッドも小さく、ネ。

C) Give your brain a break from tedious work and some thinking time. The afterglow and inspiration will combine, and hints will come flooding out. Brushing your teeth = brushing your brain, a win-win situation! Inspiration disappears quickly, so write it down!

D) A short toothbrush is fine because the bristles hit the spot with pinpoint accuracy.



E) 食後のビジュアルも悪くない。携帯携行もスマート！ スモール イズ ビューティフル!!
F) 指先で均等な力で磨けるため毛先のヘタレが少ない、力ごなしに磨けないから長いスパンでハブラシヘッドをお使いいただけます。

E) Not a bad visual after dinner. You can easy to carry! Small is beautiful!
F) Because you can brush with even pressure using your fingertips, the bristles are less likely to wear out, and because you don't have to brush with force, you can use the toothbrush head for a longer period of time.



G) 歯磨きによって味覚がより繊細になる、できれば仕上げは舌苔、うわあご(上顎)磨きも口腔内の健康維持の為に。【短尺柄歯ブラシ】ならばできます。

G) Brushing makes your sense of taste more delicate, and if possible, finishing touches should be tongue and jaw (maxilla) brushing to maintain oral health. The short-handled toothbrush can do it.



*2050年 いのち輝く未来社会において短尺柄歯ブラシがどのように活用されているか。？
What is the significance and necessity of short-handled toothbrushes in a bright and prosperous future society in 2050?*

一本の歯ブラシが地球温暖化に貢献できるならば日毎の歯磨き習慣が愛着と美意識に包まれるでしょう。
廃プラ抑制思想(効果)が特許スキルとコラボし口腔衛生、省資源に寄与するものと考えます。

アーミー(軍隊)からマジョリティー(大衆)まで、携行携帯、生活様式(収納、整理整頓)までも変容させる逸品です。

If a single toothbrush can contribute to global warming, then our daily tooth brushing habits will be filled with affection and a sense of beauty. We believe that the idea of reducing plastic waste (effectiveness) will work in conjunction with patent skills to contribute to oral hygiene and resource conservation.

This is an exceptional product that will transform the way people carry it and even their lifestyles (storage, organization) from the army to the majority.

*2050年いのち輝く未来社会に短尺柄歯ブラシが果たす意義や必要性は？
What is the significance and necessity of short-handled toothbrushes in a bright and prosperous future society in 2050?*

脱炭素社会の課題を先送りしない姿勢が企業に求められています。(パーパス)
廃プラ抑制思想が社会全般に広がるのが地球温暖化への特効薬です。
プラスチックの質、量が僅差であっても何億の人達が今のままでいいとなれば化石燃料(石油)の消費は莫大になります。
従来品歯ブラシー本(12g)が4gになることは社会の価値以外の何物でもありません。

Companies are being asked to not put off the challenge of a decarbonized society. (Purpose)
The antidote to global warming is for the idea of reducing plastic waste to spread throughout society.
Even if the difference in quality and quantity of plastic is small, if hundreds of millions of people were to continue as they are, the consumption of fossil fuels (oil) would be enormous.
Reducing the weight of a single conventional toothbrush (12g) to 4g is nothing but a social value.

幼少期の虫歯知らずを経て歯周病の老後までをカバーできる全世代型歯ブラシです。
【短尺柄歯ブラシ】の普及は必須です。
2050年までの早い時期に皆さまに気づきを与えられ、ご使用いただけることこそがソーシャルグッドなのです。
その為にも生分解性ポリマーがプラスチックの原料となり不要になれば微生物によって分解され自然に返ると言う循環を大切に考えます。

This is a toothbrush for all generations that can help with everything from childhood cavities to periodontal disease in old age.
The widespread use of this toothbrush is essential.
It would be a social good if everyone were to become aware of it and start using it as early as possible before 2050.
To that end, we place great importance on the cycle in which biodegradable polymers serve as the raw material for plastic, and when they are no longer needed, they are broken down by microorganisms and returned to nature.

ヒストリー(History)

大阪城を中心にこの町は広がった 城主豊臣秀吉の盟友千利休が環壕自治都市 堺に住んだ
The city grew around Osaka Castle.
Sen no Rikyu, an ally of the castle's lord Toyotomi Hideyoshi, lived in the moated autonomous city of Sakai.



「茶の湯」の作法により「わび」「さび」と言う謙譲の精神を説いた(利他の精神性)
He taught the spirit of humility, called "wabi" and "sabi," through the etiquette of the tea ceremony (a spirituality of altruism)



町衆の汗と涙と気概が、戦後の「食い倒れ」文化を生んだ
The sweat, tears, and spirit of the townspeople gave birth to the postwar "eat to your heart's content" culture

鉄砲伝来、フランシスコ、ザビエルのキリスト教布教以降に
様々な産業が育った 堺打ち刃物 線香 茶菓子 お酢 手
ぬぐい 自転車(ハンドル、フレーム、スポーク、ディレー
ラー)

「物の始まり皆、堺」と言う由縁である、百舌鳥古市古墳群を
基盤として!!

After the introduction of firearms and the missionary work of Francis Xavier, various industries developed in Sakai, including Sakai-made knives, incense, tea and sweets, vinegar, hand towels, bicycles (handle, frame, spoke, derailleurs), etc.

Based on the Mozu-Furuichi Kofun Group, the city is said to have "the origin of everything, Sakai"!



堺打ち刃物は世界の食文化に道具として絶賛されて
いる

Sakai knives are highly praised as tools in
food culture around the world.

大阪城から眺められる金剛生駒山までの一帯が河内
平野 歯ブラシの文化、産業が息づいている。

The Kawachi Plain stretches from Mount
Kongo to Mount Ikoma, which can be
seen from Osaka Castle, and is where
toothbrush culture and industry thrive.

